**Identifikasi Analitik Peran Motivasi Belajar dan Student Engagement Terhadap Perilaku Menyontek di Kalangan Siswa**

**Harfinda Kusuma Putri1**

Psikologi, Universitas Muhammadiyah Sidoarjo

[aharfinda@gmail.com](mailto:aharfinda@gmail.com)

**Lely Ika Mariyati2**

Psikologi, Universitas Muhammadiyah Sidoarjo

[ikalely@umsida.ac.id](mailto:ikalely@umsida.ac.id)

**Widyastuti3**

Psikologi, Universitas Muhammadiyah Sidoarjo

[wiwid@umsida.ac.id](mailto:ikalely@umsida.ac.id)

Correspondent Author : **Lely Ika Mariyati**, [ikalely@umsida.ac.id](mailto:ikalely@umsida.ac.id)

**Abstract**

This research aims to determine the relationship between learning motivation and student involvement with the cheating behavior of MA Islamiyah Candi students. The type of research used is quantitative with a correlational approach. The sample in this study was students in grades 10, 11, and 12 with a total of 260 samples from a population of 792 students. Data collection used a Likert scale for learning motivation, student engagement, and a cheating behavior scale. The research results stated that the dominant category was 61.08% high and 38.92% low. The results of the hypothesis test prove that the higher the student's learning motivation and student engagement, the lower the level of cheating behavior that will be demonstrated. The multiple linear test showed a value of 86.8% given by learning motivation and student engagement on cheating behavior and the F test results of learning motivation and student engagement with cheating behavior proved to be significantly negative. In conclusion, these results show that simultaneously learning motivation and student engagement can have a significant negative impact on cheating behavior.

**Keywords :** motivation to learn, cheating behavior, student engagement, student

**Abstrak**

Penelitian ini bertujuan untuk mengetahui keterkaitan antara motivasi belajar dan *student engagement* dengan perilaku menyontek siswa. Jenis penelitian kuantitatif korelasional. Sampel dalam penelitian ini adalah siswa kelas 10, 11, dan 12 sejumlah 260 sampel dari 792 populasi. Pengumpulan data menggunakan skala likert motivasi belajar, *student engagement*, dan skala perilaku menyontek. Hasil penelitian menggambarkan dominan di kategori tinggi 61,08% dan rendah 38,92%. Hasil uji hipotesis membuktikan semakin tinggi motivasi belajar dan *student engagement* siswa maka akan semakin rendah tingkatan perilaku menyontek yang akan ditunjukkan. Uji linier berganda menunjukkan nilai sebesar 86,8% yang diberikan oleh motivasi belajar dan *student engagement* secara bersama-sama terhadap perilaku menyontek, serta hasil uji F motivasi belajar dan *student engagement* dengan perilaku menyontek menunjukkan hubungan yang signifikan dengan arah negatif. Kesimpulannya hasil tersebut menunjukkan secara simultan motivasi belajar dan *student engagement* dapat memberikan dampak negatif yang signifikan terhadap perilaku menyontek siswa

**Keywords :** motivasi belajar, perilaku menyontek, *student engagement*, siswa

**PENDAHULUAN**

Sekolah adalah sebuah lembaga pendidikan yang menyelenggarakan kegiatan belajar mengajar, serta pengelolaan pembelajaran dilakukan secara bertingkat dan berkesinambungan dari tingkat pendidikan dasar hingga menengah. Salah satu peran pendidikan di sekolah bertujuan mendorong perubahan perilaku yang positif pada siswa untuk memperoleh pengetahuan, kecakapan dan keterampilan sesuai dengan potensinya masing-masing (Salma, 2021). Menurut Hurloc siswa jenjang pendidikan SMA (Sekolah Menengah Atas) berada pada periode remaja akhir, yakni usia 17-18 tahun (K. Hidayati, 2016). Minimnya pengalaman remaja dalam menghadapi persoalan hidup seringkali menghasilkan penyelesaian yang kurang sesuai dengan harapan dan tuntutan sosial. Salah satu bentuk masalah dikalangan siswa yang kerap muncul adalah perilaku menyontek khususnya saat mereka mengalami kesulitan di bidang akademik (Fatmawaty Riryn, 2017).

Perilaku menyontek adalah perbuatan individu/siswa dengan menyalin hasil pekerjaan orang lain dengan cara curang/tidak jujur demi mendapatkan nilai baik (Nurmayasari & Murusdi, 2015). Perilaku menyontek dapat melatih remaja berperilaku instan dalam menyelesaikan masalah dan mengabaikan norma etik seperti nilai kejujuran dan kerja keras. Perilaku menyontek yang dibenarkan akan mengaburkan norma moral dalam kehidupan sosial. Lebih lanjut budaya menyontek jika tidak terselesaikan akan melatih mental siswa dalam kehidupan yang akan datang seperti dalam kehidupan berkeluarga, bekerja, bermasyarakat sehingga akan menimbulkan ketidak sehatan secara sosial (Andiwatir & Khakim, 2019).

Penelitian yang dilakukan oleh Ginanjar berkaitan dengan perilaku menyontek pada siswa kelas XI/SMA di Yogyakarta menunjukan sebanyak 60 dari 112 siswa tergolong pada kategori “sedang" (Priaswandy, 2015) Penelitian yang dilakukan oleh Desi Yovita dan Riska Ahmad juga menunjukkan kategori perilaku menyontek “sedang” sebanyak 182 orang dari 267 partisipan (Yovita & Ahmad, 2019). Berbeda dengan penelitian Yens Lauren menyebutkan tingkat perilaku menyontek siswa sebanyak 113 dari 148 partisipan kategori rata-rata “rendah” (Lauren, 2019). Selanjutnya peneliti melakukan survey awal dengan menyebarkan skala perilaku menyontek pada siswa MA (setara dengan SMA) di Sidoarjo pada tahun 2023 sejumlah 40 responden dan diperoleh fakta perilaku menyontek pada siswa MA di Sidoarjo menunjukkan sebanyak 50% siswa yang menjawab “setuju” dari pertanyaan “saya memperbolehkan teman melihat dan menyalin jawaban ujian asalkan tidak dilihat oleh pengawas”. 55% siswa menjawab “setuju” dari pertanyaan “bertanya pada teman boleh saja asal tidak ketahuan oleh pengawas saat ujian”. Dan 45% siswa menjawab “setuju” dari pertanyaan “saya mengijinkan teman untuk melihat lembar jawaban saya karena kasihan”. Dapat disimpulkan bahwa terdapat permasalahan perilaku menyontek siswa MA/SMA di Sidoarjo sesuai dengan aspek perilaku menyontek.

Aspek perilaku menyontek adalah obyek yang menjadi sasaran, situasi atau keadaan yang mendukung, dan waktu (Yovita & Ahmad, 2019). Faktor internal perilaku menyontek dijabarkan seperti perasaan panik tidak bisa mengerjakan soal karena motivasi belajar rendah, takut mengecewakan orang tua, adanya perasaan malu saat remidi, sedangkan faktor eksternal adalah terpengaruh oleh teman yang biasa menyontek, harapan yang besar dari orang tua untuk mendapatkan nilai memuaskan, dan keterlibatan siswa di kelas yang redup (Andiwatir et al., 2019). Kesimpulannya bahwa keterlibatan siswa sebagai faktor eksternal dan motivasi belajar sebagai faktor internal berkaitan dengan perilaku menyontek.

Keterlibatan siswa menurut Fredircks et al adalah partisipasi yang dituangkan dalam kegiatan pembelajaran dengan melibatkan emosi positif yang tertuang dalam antusias siswa, perilaku aktif siswa yang mampu berusaha, dan kognitif menunjukkan adanya konsentrasi saat belajar (Bariyah & Pierewan, n.d.). Peran keterlibatan siswa dan motivasi belajar dalam pendidikan sangat berkaitan pada hasil belajar, artinya siswa yang kurang berpartisipasi dalam kegiatan pembelajaran memiliki motivasi belajar rendah, hal tersebut dapat mempengaruhi pencapaian dalam hasil belajar. Connell et al, mengatakan keterlibatan siswa dalam kategori perilaku seperti motivasi belajar yang gigih, usaha, dan konsentrasi yang berkelanjutan dalam belajar (Lee et al., 2019).

Motivasi belajar sering disebut sebagai dorongan untuk kegiatan belajar (Suprinjandani et al., 2019). Motivasi dalam diri siswa menjadi penggerak yang dapat memunculkan semangat pada kegiatan belajar sehingga tujuan belajar dapat tercapai. Aspek yang dapat dijadikan tolak ukur motivasi seseorang menurut Dwi Wahyuni adalah ketekunan, keaktifan, semangat dalam belajar, kehadiran, keuletan dalam menghadapi dan memecahkan masalah yang ada (Wahyuni, 2015). Adanya perilaku menyontek pada siswa SMK di Kabupaten Jeneponto yang dipengaruhi oleh faktor malas untuk mengulang pelajaran dikarenakan motivasi internal yang rendah (Lestari et al., 2022). Artinya di dalam penelitian tersebut ditemukan fakta bahwa motivasi belajar dapat mempengaruhi perilaku menyontek.

Berdasarkan kajian teori dan permasalahan diatas maka hipotesa penelitian ini adalah apakah ada hubungan antara motivasi belajar dan keterlibatan siswa dengan perilaku menyontek. Peneliti melakukan penelitian dengan tujuan untuk menganalisis apakah adanya hubungan antara motivasi belajar dan keterlibatan siswa dengan perilaku menyontek siswa MA / SMA di Sidoarjo. Adapun topik penelitian mengenai *student engagement* masih sedikit sekali ditemukan pada siswa sehingga dapat menjadi nilai kebaruan dalam dunia akademik serta dapat menambah kajian penelitian lebih lanjut terkait *student engagement*. Lebih lanjut peneliti mencoba membahas perilaku menyontek dari sudut pandang motivasi belajar dan *student engagement*.

**METODE**

### Design

Penelitian ini menggunakan metode kuantitatif dengan pendekatan korelasional dimana variabel yang digunakan ada tiga yaitu variabel bebas motivasi belajar, variabel keterlibatan akademik dan variabel terikat perilaku menyontek.

### Participants

Populasi yang digunakan dalam penelitian ini adalah siswa di salah satu lembaga pendidikan MA/SMA di Sidoarjo yang sejumlah 792 siswa. Dengan merujuk tabel krejcie and morgan dengan taraf kesalahan 5% maka sampel yang dibutuhkan berjumlah 260 siswa. Teknik pengumpulan data pada penelitian ini menggunakan purposive sampling karena informasi yang didapat pada kelompok tertentu yang memiliki kriteria sesuai dengan penelitian. Karakteristik responden yang digunakan sebagai berikut (1) Peserta didik aktif d lembaga pendidikan MA/SMA (2) Siswa pernah menyontek

**Instrument**

Penelitian ini menggunakan skala psikologi berbentuk skala likert. Jawaban yang digunakan dalam skala likert menggunakan 4 pilihan jawaban, responden diminta untuk memilih salah satu dari empat jawaban. Penyusunan instrumen pilihan jawaban terdiri dari Sangat Sesuai (SS), Sesuai (S), Tidak Sesuai (TS), Sangat Tidak Sesuai (STS). Penilaian bergerak dari 4 sampai 1 untuk item-item favourable dan 1 sampai 4 untuk item unfavourable Terdapat 3 skala yang digunakan, yaitu; 1) skala perilaku menyontek yang telah diadaptasi oleh Anggreini berdasarkan teori Nurmayasari dan Murusdi dengan aspek perilaku menyontek, antara lain; *behavior*, target, *situation*, *time*. Hasil pengujian validitas terdapat 22 aitem valid dengan skor reliabilitas sebesar 0,751 sehingga dapat digunakan kembali (Anggreini, 2021), 2) skala keterlibatan siswa yang disusun sendiri oleh Maulidya berdasarkan teori Fedricks dengan aspek *student engagement*, yakni; *behavioral engagement, emotional engagement, cognitive engagement*. Hasil pengujian validitas terdapat 20 aitem valid dari 24 aitem, dengan hasil reliabilitas sebesar 0,723 yang artinya skala *student engagement* dapat digunakan sebagai alat ukur (Gustiwanti, 2021) skala motivasi belajar Berdasarkan teori Hamzah B Uno yang sudah dimodifikasi dalam penelitian Hanifah Balqis (2015). Aspek motivasi belajar terdiri dari (1) Keinginan untuk berhasil (2) Dorongan dan kebutuhan dalam belajar, (3) Keinginan untuk mencapai cita-cita masa depan, (4) Penghargaan dalam belajar (5) Kegiatan yang menarik dalam belajar dan (6) Lingkungan belajar yang kondusif, hasil pengujian validitas terdapat 20 aitem valid dari 23 aitem, didapat nilai reliabilitas 0,820 sehingga dinyatakan variabel telah reliabel (Balqis, 2015).

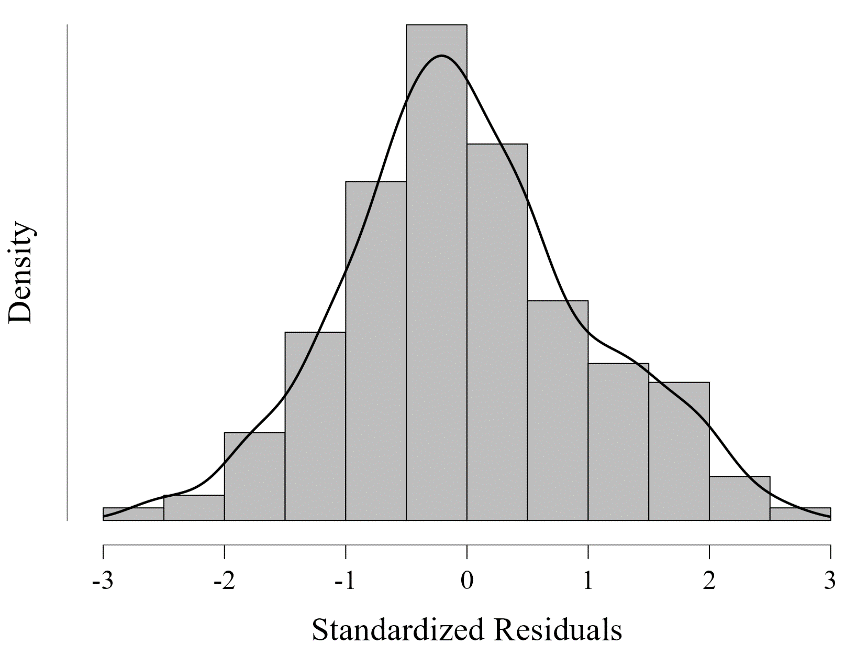
### Data Analysis

Penelitian ini menggunakan metode analisis data yaitu teknik analisis korelasi pearson. Teknik analisis korelasi pearson digunakan untuk membuktikan sejauh mana hubungan antara variabel terikat dengan variabel bebas, menguji apakah variabel tersebut signifikan atau tidak signifikan pada siswa MA Islamiyah Candi Sidoarjo (Agustini & Gede Ngarti, 2020). Setelah data terkumpul dilakukan pengolahan data menggunakan JASP 0.16.4 for windows.

**HASIL DAN PEMBAHASAN**

**Tabel 3.1**

Uji Normalitas

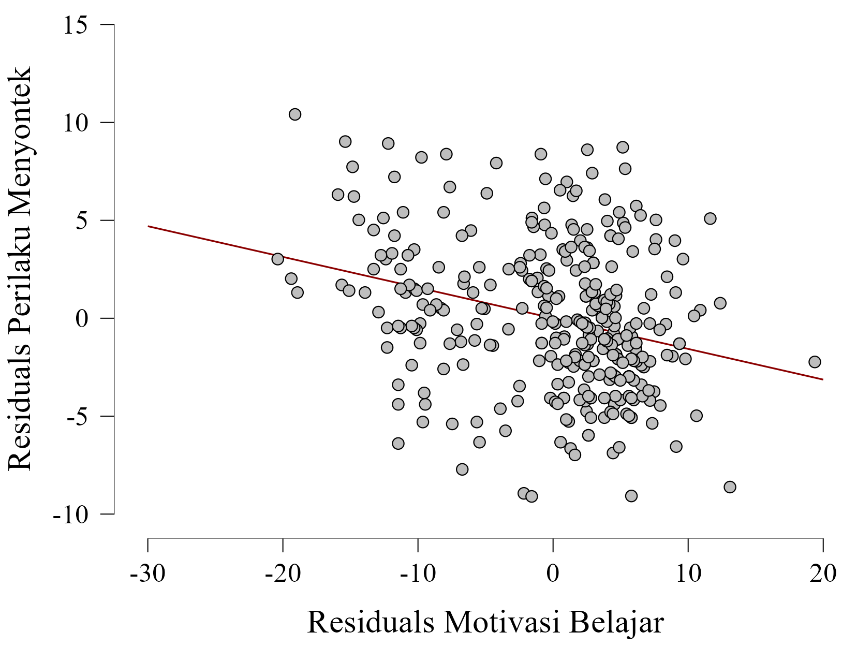


Hasil uji normalitas data menunjukkan hasil residual data terdistribusi secara normal. Hal ini dapat dilihat dari sebaran diagram batang yang paling tinggi berada ditengah, dan curva yang terbentuk menyerupai bentuk lonceng dan titik paling tinggi berada ditengah. Maka berdasarkan data tersebut maka uji asumsi normalitas telah terpenuhi.

Uji Linearitas

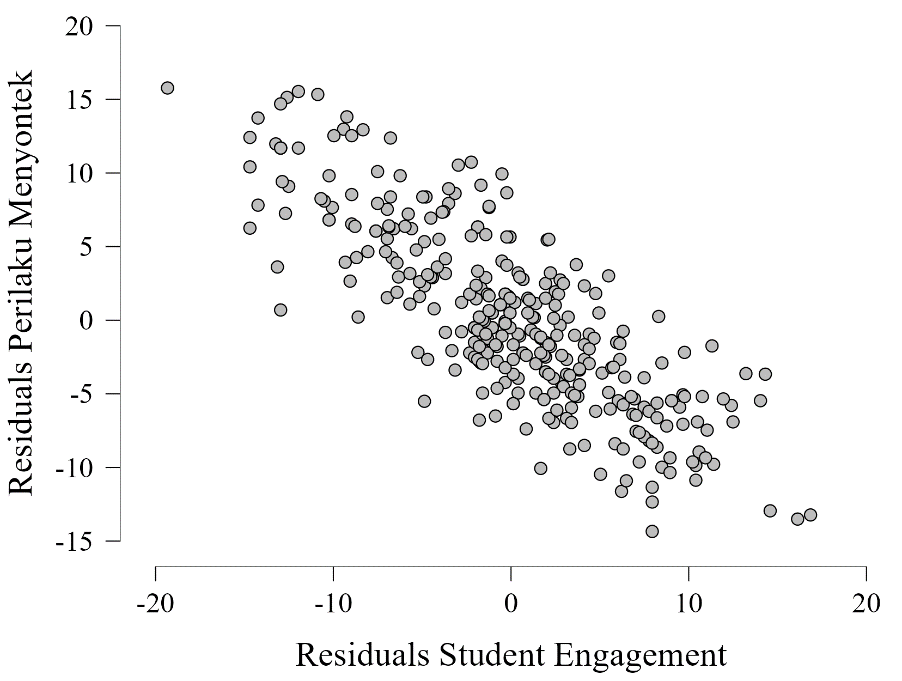
**Gambar 1**

Motivasi Belajar vs. Perilaku Menyontek



**Gambar 2**

Student Engagement vs. Perilaku menyontek



Selanjutnya hasil uji linearitas menunjukkan bahwa terdapat hubungan linear antara motivasi belajar dan *student engagement* terhadap perilaku menyontek. Hasil ini diperoleh dari grafik scatter plot data yang menyebar mendekati garis linear yang condong ke bawah dan juga titik-titik data yang jika jika ditarik garis melingkar akan membentuk bentuk elips. Berdasarkan hasil tersebut maka dapat disimpulkan bahwa data telah memenuhi asumsi linearitas.

**Tabel 3.2**

Uji Multikolinearitas

|  |  |  |
| --- | --- | --- |
| Variabel | Tolerance | VIF |
| Motivasi Belajar | 0.404 | 2.478 |
| Student Engagement | 0.404 | 2.478 |

Hasil uji multikolinearitas menunjukkan bahwa data telah memenuhi asumsi multikolinearitas karena hasil VIF <10 (VIF=2.478). Bedasarkan hasil tersebut maka data penelitian dapat dikatakan telah lolos uji asumsi sehingga selanjutnya dapat dilanjutkan pada uji hipotetik.

**Tabel 3.3**

Uji Hipotesis

|  |  |  |
| --- | --- | --- |
| Variables | Pearson's r | p-value |
| Motivasi Belajar- Perilaku Menyontek | -0.783 | < .001 |
| Student Engagement- Perilaku Menyontek | -0.925 | < .001 |

Hasil uji korelasi pearson menunjukkan bahwa terdapat hubungan negatif yang signifikan antara motivasi belajar dengan perilaku menyontek (r=-783, p-value<0,001) dan *student engagement* dan perilaku menyontek (r=-925, p-value<0,001). Hasil ini menunjukkan bahwa semakin tinggi motivasi belajar dan *student engagement* dari siswa maka akan semakin rendah tingkatan perilaku menyontek yang akan ditunjukkan.

**Tabel 3.4**

Uji regresi linear berganda

|  | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | |  | | Sum of Squares | | df | | Mean Square | | F | p-value | |
| H₁ |  | Regression |  | 27588.673 |  | 2 |  | 13794.336 |  | 1087.985 |  | < .001 |  |
|  |  | Residual |  | 4196.680 |  | 331 |  | 12.679 |  |  |  |  |  |
|  |  | Total |  | 31785.353 |  | 333 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

Hasil uji regresi linear berganda menunjukkan bahwa model hubungan antara motivasi belajar dengan *student engagement* dapat memberikan dampak yang signifikan kepada perilaku menyontek. Hal ini didasarkan pada hasil Fhitung (f=1087.985, p-value<0,001) yang lebih tinggi daripada FTabel (f=1087.985, p-value<0,001). Hasil ini menandakan bahwa hipotesis penelitian yaitu terdapat hubungan dan dampak antara motivasi belajar dan *student engagement* terhadap perilaku menyontek terbukti benar sehingga hipotesis dapat diterima.

**Tabel 3.5**

Uji regresi linier berdasarkan sumbangan efektif

| Model | | R | | R² | | Adjusted R² | | RMSE | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| H₀ |  | 0.000 |  | 0.000 |  | 0.000 |  | 9.770 |  |
| H₁ |  | 0.932 |  | 0.868 |  | 0.867 |  | 3.561 |  |
|  | | | | | | | | | |

Selanjutnya sumbangan efektif yang diberikan oleh motivasi belajar dan *student engagement* terhadap perilaku menyontek sebesar adalah 86,8% (R²=0.868. Hal ini menandakan bahwa sebanyak 13,2% perilaku menyontek pada sampel penelitian dijelaskan oleh hal lain yang berada diluar variabel motivasi belajar dan *student engagement.*

**Tabel 3.6**

Kategorisasi data

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| Kategori | Rentangan | Jumlah Sampel | Persentase |
| Sangat Tinggi | >56 | 30 | 8,98% |
| Tinggi | 56-46 | 49 | 14,67% |
| Menengah | 45-37 | 125 | 37,43% |
| Rendah | 36-27 | 130 | 38,92% |
| Sangat Rendah | <27 | 0 | 0,00% |

Hasil kategorisasi data pada perilaku menyontek menunjukkan bahwa sebanyak 204 sampel atau sebanyak 61,08% bagian dari sampel penelitian memiliki tingkatan perilaku menyontek yang cenderung tinggi jika dibandingkan dengan sesame sampel penelitian. Hasil ini menandakan perilaku menyontek masih menjadi hal yang relevan untuk diteliti lebih lanjut.

Berdasarkan penjelasan diatas dapat peneliti simpulkan bahwa motivasi belajar dan *student engagement* merupakan faktor yang dapat mempengaruhi perilaku mencontek. Hal tersebut sesuai dengan hipotesis penelitian motivasi belajar dan *student engagement* siswa berperan secara signifikan terhadap perilaku menyontek terbukti sehingga hipotesis dapat diterima (f=1087.985, p-value<0,001) . Berdasarkan hasil uji korelasi yang didapat adanya hubungan negatif signifikan antara motivasi belajar dengan perilaku menyontek (r=-783, p-value<0,001) Adapun hasil pada variabel *student engagement* juga terbukti adanya hubungan negatif signifikan sebesar (r=-925, p-value<0,001).

Sejalan dengan hal tersebut, penelitian lain membuktikan bahwa adanya hubungan negatif yang signifikan artinya semakin tinggi motivasi belajar siswa semakin rendah perilaku mencontek (Kur’ani, 2023). Selanjutnya hasil penelitian motivasi belajar menurut Kadek Pande menyebutkan bahwa perilaku menyontek akan menurun bila motivasi belajar meningkat hal tersebut dibuktikan dengan nilai koefisien regresi (B = motivasi belajar sebesar .872, p < .01) (Dewi et al., 2022). Penelitian lain yang dilakukan oleh Maharani menunjukkan bahwa *student engagement* bersama *teacher support* dapat meningkatkan motivasi belajar yang ditunjukkan dalam interaksi siswa dengan tugas akademik dan hasil belajar (Maharani & Susanti, 2024). Menurut Wayan peran faktor keterlibatan siswa paling banyak sumbangsihnya terhadap prestasi akademik efektifitasnya sebesar 9,99 %. Di dalam keterlibatan siswa terdapat sikap dan perilaku bersekolah yang positif hal tersebut berpengaruh dalam komitmen siswa terhadap perkembangan akademiknya salah satunya dapat menekan perilaku menyontek (Wayan Dharmayana et al., 2015). Berdasarkan hasil penelitian tersebut dan sebelumnya menguatkan pernyataan bahwa motivasi belajar dan *student engagement* dapat menjadi prediktor dari perilaku menyontek siswa.

Pengendalian diri merupakan sikap yang harus dimiliki seorang siswa untuk menekan perilaku menyimpang terutama kecurangan akademik, artinya pengendalian diri yang kurang dapat menyebabkan terlibatnya siswa dalam perilaku menyontek (Yu et al., 2021). Sebagai seorang pelajar yang erat kaitannya dengan tugas sekolah perilaku kecurangan bersifat epidemi di dunia pendidikan Yulianto menyebutkan perbuatan menyontek sudah dianggap hal yang biasa dilakukan ketika mengerjakan tugas dan ujian (Dirdjosumarto, 2016). McClel-land menyebutkan faktor internal seperti motivasi berprestasi yang dimiliki dapat mengantarkan seseorang mencapai keberhasilan, aspek didalamnya meliputi menetapkan nilai yang ingin dicapai, memiliki tanggung jawab pribadi, kesungguhan dalam tujuan yang diinginkan, serta memiliki kreativitas dalam menyelesaikan tugas (Nastiti et al., 2023). Faktor yang mempengaruhi perilaku menyontek utamanya motivasi belajar, apabila motivasi belajar siswa tinggi yang didukung oleh minat belajar akan muncul motivasi berprestasi sehingga hasil belajar akan maksimal artinya siswa dengan motivasi belajar rendah cenderung akan melakukan kecurangan yakni perilaku menyontek (Wardani & Simbolon, 2024).

Beberapa peneliti mendefinisikan karakteristik yang berkaitan dengan perilaku menyontek adalah demografi, akademis, kepribadian dan motivasi dimana lebih lanjut mencakup pada kepercayaan diri, kesadaran akan belajar, dan tujuan belajar (Safitri, 2022). Motivasi belajar erat kaitannya dengan kebiasaan menyontek, motivasi sendiri merupakan faktor dominan sebagai penggerak dalam diri siswa yang memberikan semangat pada kegiatan belajar sehingga dapat percaya dengan kemampuannya sendiri dalam mengerjakan tugas (Marissa, 2021). Amir dalam penelitiannya juga menyebutkan bahwa motivasi belajar adalah faktor internal sebagai pendorong diri untuk menghasilkan prestasi yang baik, ketika siswa memiliki motivasi belajar tinggi akan mengembangkan proses berpikir dalam mencapai sebuah target belajar, dimana dalam hal ini perilaku menyontek bukanlah sebuah proses berpikir dalam mencapai sebuah prestasi belajar (Amir, 2019). Berdasarkan pernyataan tersebut dapat dikatakan kepercayaan diri dan kemampuan mengerjakan tugas juga dapat menjadi faktor yang mempengaruhi perilaku menyontek pada siswa. Lebih lanjut perilaku menyontek adalah sebuah bentuk kecurangan atau plagiasi terhadap pekerjaan orang lain yang dipengaruhi beberapa hal diantaranya *school bonding, teacher support* dan *student engagement* yang ada dalam aspek iklim sekolah, apabila siswa memiliki persepsi negatif terhadap iklim sekolah dapat berdampak pada menurunnya integritas akademik pada diri siswa sehingga dapat melakukan tindakan negatif seperti kontrol diri rendah, merasa tidak mampu, dan menyontek (Fitria, 2019).

Faktor kemalasan sosial pada siswa juga menjadi pemicu kurangnya kontribusi dalam penyelesaian tugas baik tugas kelompok maupun individu, kurangnya motivasi yang dimiliki tidak menghadirkan emosi positif, oleh sebab itu hasil belajar siswa kurang memuaskan sehingga bergantung pada jawaban teman (Katkar et al., 2022)*. Behavioral engagement* adalah kegiatan yang mengarah pada partisipasi siswa di sekolah, disinilah peran keterlibatan siswa dimana ketika siswa dapat terlibat dalam kegiatan akademis sekolah seperti kehadiran, partisipasi pada kegiatan belajar, bertanya, ikut berdiskusi, menaati aturan, dan mengerjakan tugas siswa dapat meningkatkan proses kognitifnya, lebih lanjut kegiatan lain yang dapat juga dilakukan adalah olahraga maupun organisasi di sekolah (Fikrie & Ariani, 2021)

Keterlibatan siswa adalah kemampuan yang perlu dimiliki oleh setiap siswa, ketika proses belajar sedang berlangsung sangat rentan siswa mengalami reaksi negatif yakni menyontek, apabila motivasi belajar siswa pudar maka dibutuhkan pengendalian *student engagement* yang ditunjukkan oleh perilaku terlibat dan berupaya dalam memahami pembelajaran, terampil serta memiliki penguasaan ilmu pengetahuan (Widianingsih & Kusdiyati, 2018). Perilaku menyontek dinilai sebagai dampak pengalaman belajar yang buruk dapat dibangun dengan menghadirkan keterlibatan siswa yang mencakup interaksi aktif, memperhatikan, partisipasi dan dedikasi siswa dalam pembelajaran oleh sebab itu siswa diharuskan memiliki keterlibatan pada setiap proses belajar (Defriansyah et al., 2023). Sumbangan efektif yang diberikan motivasi belajar dengan *student engagement* pada perilaku menyontek dari sampel penelitian sebanyak 86,8%. Hal tersebut menunjukkan bahwa sebanyak 13,2% perilaku menyontek dipengaruhi oleh variabel selain motivasi belajar dan *student engagement*. Faktor lain yang mempengaruhi perilaku menyontek diantaranya adalah kemalasan, takut gagal, tekanan dari orang tua, dan kecerdasan (Nicke Kakiay & Wigiyanti, 2022)

Perilaku menyontek hampir pernah dilakukan oleh setiap siswa hal tersebut sering dilatarbelakangi oleh orientasi hasil atau nilai, dengan menerapkan perilaku menyontek siswa dapat memperoleh nilai yang baik tanpa perlu memahami materi dan belajar, cara instan yang muncul dalam diri tersebut dilakukan sebagai strategi untuk mencapai apa yang diinginkan (Cahyana, 2022) Studi lain juga menjelaskan bahwa siswa yang melakukan kegiatan menyontek dapat menjadikannya memiliki sifat manipulatif, malas, kurangnya kepercayaan diri dan motivasi diri yang rendah, artinya apabila perilaku menyontek siswa dihilangkan diperlukannya bimbingan penanaman kejujuran kepercayaan diri dan motivasi belajar siswa (Harahap et al., 2023). Berdasarkan hal tersebut maka tingkatan perilaku menyontek yang tinggi akan memberikan dampak negatif pada kualitas motivasi belajar siswa yang kurang maksimal. Hasil penelitian tersebut diharapkan dapat memberikan perspektif baru yang terkait dengan perilaku menyontek siswa ditinjau dari motivasi belajar dan *student engagement* supaya dapat membantu siswa untuk mengembangkan kemampuan diri melalui keterlibatan dalam kegiatan belajar.

**KESIMPULAN**

Berdasarkan hasil penelitian dan pembahasan yang telah dijabarkan diatas, terdapat kesimpulan bahwa hasil uji regresi linear berganda menunjukkan model hubungan antara motivasi belajar dengan *student engagement* dapat memberikan dampak yang signifikan kepada perilaku menyontek. Hasil tersebut menunjukkan bahwa hipotesis penelitian yaitu terdapat hubungan dan dampak antara motivasi belajar dan *student engagement* terhadap perilaku menyontek terbukti benar sehingga hipotesis dapat diterima. Keterbatasan dalam penelitian tersebut adalah dilakukan pada sekolah tertentu yang menyebabkan representasi tidak dapat dilakukan secara luas, Keterbatasan lain pada penelitian ini sudah banyak dilakukan peneliti sebelumnya pengaruh variabel motivasi belajar pada perilaku menyontek sehingga dapat diprediksi bahwa adanya keterkaitan antar variabel tersebut. Pengaruh motivasi belajar dan *student engagement* pada penelitian ini dapat membantu siswa mengembangkan kemampuan dalam penerapan motivasi belajar dan *student engagement* pada kegiatan akademik.

# REFERENSI

Agustini, K., & Gede Ngarti, J. (2020). Pengembangan Video Pembelajaran Untuk Meningkatkan Motivasi Belajar Siswa Menggunakan Model R&D. *Jurnal Ilmiah Pendidikan Dan Pembelajaran*, *4*. https://doi.org/https://doi.org/10.23887/jipp.v4i1.18403

Amir, S. (2019). Pengaruh Motivasi Belajar Terhadap Prestasi Akademik Mahasiswa D3 Keperawatan Akper Kaltara Tarakan Semester V Tahun 2018. *Jurnal Ilmiah Kesehatan Pencerah*, *08*(2), 81–86. https://doi.org/10.12345/jikp.v8i02.139

Andiwatir, A., & Khakim, A. (2019). Analisis Perilaku Menyontek dan Rancangan Perubahannya pada Siswa SMP (Analysis of Cheating Behavior and Change Design in Junior High School Students). *Jurnal Psikologi Ilmiah*, 1. http://journal.unnes.ac.id/nju/index.php/INTUISI

Andiwatir, A., Khakim, A., Psikologi, F., & Airlangga Surabaya, U. (2019). *Analisis Perilaku Menyontek dan Rancangan Perubahannya pada Siswa SMP (Analysis of Cheating Behavior and Change Design in Junior High School Students)*. http://journal.unnes.ac.id/nju/index.php/INTUISI

Anggreini, R. (2021). *Hubungan Kepercayaan Diri Dengan Perilaku Menyontek Siswa Pada Mata Pelajaran Ekonomi di Sekolah Menengah Atas Negeri Olahraga Provinsi Riau Pekanbaru*. https://repository.uin-suska.ac.id/53326/

Balqis, H. (2015). *Hubungan Antara Motivasi Belajar Dengan Hasil Belajar Siswa Pada Mata Pelajaran IPA (Penelitian Deskriptif di Kelas IV SDN Karang Tengah 5) SKRIPSI* [Universitas Islam Negeri Syarif Hidayatullah Jakarta]. https://repository.uinjkt.ac.id/dspace/handle/123456789/37991

Bariyah, I., & Pierewan, A. C. (n.d.). *Keterlibatan Siswa (Student Engagement) Terhadap Prestasi Belajar*. Retrieved October 7, 2023, from https://journal.student.uny.ac.id/ojs/index.php/societas/article/view/9076

Cahyana, D. A. (2022). Studi Kasus : Faktor-Faktor Pendorong Perilaku Menyontek Pada Siswa Kelas V Sekolah Dasar. *Jurnal Universitas Muhammadiyah Pontianak*. https://openjurnal.unmuhpnk.ac.id/JPK/article/view/3958

Defriansyah, D., Sari, P. D., & Puspitasari, R. (2023). Motivasi Dan Keterlibatan Dalam Lingkungan Belajar Digital : Wawasan Dari Psikologi Pendidikan. *Jurnal Pendidikan Sosial Dan Humaniora*, *2*. https://publisherqu.com/index.php/pediaqu/article/download/407/392/822

Dewi, S. P. K. N., Sumadi, K. N., & Hutnaleontina, N. P. (2022). Pengaruh Motivasi Belajar, Integritas Individu Dan Prokrastinasi Terhadap Kecurangan Akademik. *Hita Akuntansi Dan Keuangan Universitas Hindu Indonesia*, *3*. https://ejournal.unhi.ac.id/index.php/HAK/article/view/2926

Dirdjosumarto, Y. (2016). *Menyontek (Cheating)- Kecurangan Akademik*. *8*(1), 277–290. https://doi.org/https://doi.org/10.35313/ekspansi.v8i2.122

Fatmawaty Riryn. (2017). Memahami Psikologi Remaja. *Jurnal Reforma*, *02*, 56. https://doi.org/https://doi.org/10.30736/rfma.v6i2.33

Fikrie, & Ariani, L. (2021). *Keterlibatan Siswa (Student Engagement) Di Sekolah Sebagai Salah Satu Upaya Peningkatan Keberhasilan Siswa Di Sekolah*. https://pendidikan.id/main/forum/diskusi-

Fitria, Y. (2019). Perilaku Menyontek : Presepsi Terhadap Iklim Sekolah Dengan Ketidakjujuran Akademik. *Jurnal Ilmiah Psikologi Terapan*, *07*(01), 2540–8291. https://ejournal.umm.ac.id/index.php/jipt/article/download/7833/6358/21065

Gustiwanti, M. (2021). *Hubungan Antara Self-Efficacy Dengan Students Engagement di Madrasah Tsanawiyah Darel Hikmah Pekanbaru* [Universitas Islam Negeri Sultan Syarif Kasim Riau]. https://repository.uin-suska.ac.id/46477/

Harahap, P. A., Azmi, S., Baskoro, S. D., & Munthe, Y. S. (2023). Penerapan Teori Behavior Menurut J.B Watson Dalam Mengatasi Perilaku Mencontek Pada Siswa. *MODELING: Jurnal Program Studi PGMI*, *10*(3). https://jurnal.stitnualhikmah.ac.id/index.php/modeling/article/download/1938/1095/

K. Hidayati, M. F. (2016). Usia Remaja Hurlock Khoirul Bariyah. *Universitas 17 Agustus 1945 Surabaya*, *5*. https://doi.org/https://doi.org/10.30996/persona.v5i02.730

Katkar, K., Pratiwi, P. E., Purwaningtyastuti, & Savitri, A. D. (2022). Peningkatan Pemahaman Pentingnya Motivasi Diri Sebagai Upaya Mencegah Kemalasan Sosial Pada Siswa SMA. *Kumawula: Jurnal Pengabdian Kepada Masyarakat*, *5*(2), 413. https://doi.org/10.24198/kumawula.v5i2.37603

Kur’ani, N. (2023). Hubungan Antara Motivasi Belajar Dan Efikasi Diri Dengan Perilaku Mencontek. *Jurnal Psikodidaktika*, *8*. https://doi.org/10.32663/psikodidaktika.v8i2.3526.

Lauren, Y. (2019). Perilaku Menyontek Ditinjau Dari Konsep Diri Akademik Pada Siswa Siswi SMA Swasta Budaya Medan. *Wahana Inovasi*, *8*(2), 8–9. https://jurnal.uisu.ac.id/index.php/wahana/article/view/2031

Lee, J., Song, H. D., & Hong, A. J. (2019). Exploring Factors, and Indicators for Measuring Students’ Sustainable Engagement in e-Learning. *Sustainability (Switzerland)*, *11*(4). https://doi.org/10.3390/su11040985

Lestari, A. I., Pandang, A., & Anas, M. (2022). Analisis Perilaku Menyontek Pada Siswa Sekolah Menengah Kejuruan di Kabupaten Jeneponto Analysis of Cheating Behavior in Vocational High School Students in Jeneponto Regency. *Journal Of Art, Humanity & Social Studies*, *2*, 214–214. https://ojs.unm.ac.id/PJAHSS/article/download/38731/18193

Maharani, M., & Susanti, D. (2024). Pengaruh Student Engagement dan Teacher Support terhadap Hasil Belajar pada Mata Pelajaran Kepegawaian Kelas XI Otomatisasi Kelola Perkantoran SMK N 1 Lubuk Basung. *Jurnal Pendidikan Tambusai*, *8*. https://jptam.org/index.php/jptam/article/view/13510

Marissa, F. (2021). *Pengaruh Kebiasaan Menyontek Terhadap Motivasi Dan Sikap Kemandirian Belajar Peserta Didik Di Kelas VIII SMP Negeri 5 Sinjai*. https://repository.uiad.ac.id/id/eprint/1322/

Nastiti, D., Affandi, G. R., & Mariyati, L. I. (2023). Motivation and Self-efficacy Boost Academic Flow in Students During COVID-19. *Atlantis Press*, 13–21. https://doi.org/10.2991/978-2-38476-052-7\_3

Nicke Kakiay, A., & Wigiyanti. (2022). Faktor-Faktor Yang Mempengaruhi Perilaku Mahasiswa Dalam Menyontek. *Jurnal Riset Ilmiah*, *1*(2). https://ejournal.nusantaraglobal.ac.id/index.php/sentri/article/view/247

Nurmayasari, K., & Murusdi, H. (2015). Hubungan Antara Berpikir Positif Dan Perilaku Menyontek Pada Siswa Kelas X SMK Koperasi Yogyakarta. *Jurnal Fakultas Psikologi*, *3*(1). https://doi.org/http://dx.doi.org/10.12928/empathy.v3i1.3009

Priaswandy, M. G. (2015). *Hubungan Antara Self Efficacy Dengan Perilaku Menyontek Pada Siswa Kelas XI Di SMA Negeri 1 Pleret Bantul Yogyakarta*. https://journal.student.uny.ac.id/index.php/fipbk/article/download/189/170

Safitri, N. A. (2022). Hubungan Antara Kepercayaan Diri Dan Perilaku Menyontek Siswa Jurusan Akuntansi SMK Yatpi Gondong. *Jurnal UPGRIS*, *32*. https://journal.upgris.ac.id/index.php/LONTAR/article/download/12970/5779

Salma, A. (2021). *Pengaruh Motivasi Belajar, Pressure, Penyalahgunaan Teknologi Informasi, dan Integritas Mahasiswa Terhadap Perilaku Kecurangan Akademik Mahasiswa Akuntansi Universitas Yapis Papua* [Universitas Yapis Papua]. https://doi.org/10.31219/osf.io/m6eb5

Suprinjandani, Woelansari, E. D., & Marlik. (2019). *Pengaruh Motivasi Belajar Dan Integritas Mahasiswa Terhadap Integritas Akademik* [Politeknik Kesehatan Surabaya]. http://repo.poltekkesdepkes-sby.ac.id/1585/1/integritas\_suprijandani.pdf

Wahyuni, D. (2015). Rekonstruksi Kurikulum dan Pembelajaran di Indonesia. *Prosiding Seminar Nasional Hasil Penelitian Pendidikan Dan Pembelajaran*, *1*. www.foxitsoftware.com/shopping

Wardani, K. D., & Simbolon, H. R. (2024). Pengaruh Motivasi Belajar Dan Ajaran Tri Juang Terhadap Perilaku Kecurangan Akademik Mahasiswa Akuntansi. *Jurnal Pendidikan Asatiza*, *5*. https://doi.org/https://doi.org/10.46963/ asatiza.v5i1.1458

Wayan Dharmayana, I., Kumara, A., & Wirawan, Y. G. (2015). Keterlibatan Siswa (Student Engagement) sebagai Mediator Kompetensi Emosi dan Prestasi Akademik. *Jurnal Psikologi*, *39*(1). https://doi.org/10.22146/jpsi.6968

Widianingsih, R., & Kusdiyati, S. (2018). *Keterlibatan Siswa Pada Siswa Dengan Nilai Dibawah KKM Di SMAN 1 Baleendah Bandung*. https://karyailmiah.unisba.ac.id/index.php/psikologi/article/view/9508

Yovita, D., & Ahmad, R. (2019). Hubungan Kontrol Diri Dengan Perilaku Menyontek Siswa. *E-Jurnal Inovasi Pembelajaran SD*, *7*(1). https://doi.org/http://dx.doi.org/10.24036/e-jipsd.v7i9.5146

Yu, H., Glanzer, P. L., & Johnson, B. R. (2021). Examining The Relationship Between Student Attitude And Academic Cheating. *Ethics and Behavior*, *31*(7), 475–487. https://doi.org/10.1080/10508422.2020.1817746

**LAMPIRAN-LAMPIRAN**

1. **Blue Print Skala Motivasi Belajar**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Dimensi** | **Indikator** | **Nomor Butir** | | **Jumlah**  **Item** |
| **+** | **-** |
| Motivasi belajar | Motivasi Intrinsik | * Keinginan untuk berhasil | 1, 3, 9, 13 | 6, 10, 15, 16 | 8 |
| * Dorongan dan   kebutuhan dalam belajar | 11 | 12, 14 | 3 |
| * Keinginan untuk   mencapai cita- cita masa depan | 4, 5 | 7 | 3 |
| * Penghargaan   dalam belajar | 8 | - | 1 |
| * Kegiatan yang menarik dalam belajar | 20 | - | 1 |
| Motivasi Ekstrinsik | Lingkungan belajar yang kondusif | 2 | 17, 18, 19 | 4 |
| Jumlah | | | 10 | 10 | 20 |

1. **Blue Print Skala Student Engagement**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Aspek** | **Indikator** | **No. Item** | | **Jumlah** |
| **Favorable** | **Unfavorable** |
| Behavioral  Engagement | Memiliki usaha dan ketekunan | - | 4 | 1 |
| Memiliki konsentrasi dan perhatian | 1, 2 | 5, 6 | 4 |
| Kebersediaan bertanya dan memberikan konribusi |  | 7 | 1 |
| Mengikuti aturan norma | 3 | 8 | 2 |
| Emotional engagement | Reaksi positif terhadap guru | 9 | 11 | 2 |
| Reaksi positif terhadap teman | - | 12, 13 | 2 |
| Reaksi positif terhadap akademik | 10 | 14, 15 | 3 |
| Cognitive engagement | Keinginan siswa untuk terlibat dalam belajar | 16, 17 | - | 2 |
|
| Keinginan mencari informasi ketika kesulitan dengan tugas sekolah | 18 | - | 1 |
| Strategi dalam mengerjakan tugas sekolah | 19, 20 | - | 2 |
| Total | | 10 | 10 | 20 |

1. **Blue Print Skala Perilaku Menyontek**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Indikator** | **Deskripsi** | **Item** | | **Jumlah** |
| **Favorable** | **Unfavorable** |
| Indipendent planned | Mengganti suatu jawaban ketika ujian atau tes sedang berlangsung dengan menggunakan catatan ketika guru keluar kelas | 1, 9, 17 | 5, 13, 20 | 6 |
| Social-active | Menggunakan catatan ketika tes atau ujian sedang berlangsung, atau membawa jawaban yang sudah dipersiapkan dengan menulisnya terlebih dahulu sebelum berlangsungnya ujian | 6, 14 | 2, 10, 18 | 5 |
| Social-passive | Menyalin atau melihat atau meminta jawaban dari orang lain | 3, 11 | 7, 15, 21 | 5 |
| Individual-oppor-tunistic | Mengizinkan orang lain melihat atau menyalin jawabannya | 8, 16, 22 | 4, 12, 19 | 6 |
| Total | | 10 | 12 | 22 |

1. **Skala Penelitian Motivasi Belajar**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | PERNYATAAN | PILIHAN | | | |
|  |  | SS | S | TS | STS |
| 1. | Saya belajar tiap hari atas kemauan sendiri |  |  |  |  |
| 2. | Saya semangat dalam belajar bila guru menjelaskan dengan perlahan |  |  |  |  |
| 3. | Saya masuk sekolah tepat waktu |  |  |  |  |
| 4. | Saya suka membaca buku pelajaran |  |  |  |  |
| 5. | Saya rajin belajar untuk meraih cita-cita |  |  |  |  |
| 6. | Saat dirumah, saya bermain dan tidak membaca kembali catatan materi yang diberikan guru |  |  |  |  |
| 7. | Saya tidak sungguh-sungguh dalam belajar karena tidak sesuai dengan cita-cita saya |  |  |  |  |
| 8. | Saya berhasil mencapai nilai ulangan tertinggi di kelas |  |  |  |  |
| 9. | Saya berusaha belajar sendiri dikelas, apabila guru yang mengajar tidak masuk |  |  |  |  |
| 10. | Jika guru yang mengajar tidak masuk, saya merasa senang |  |  |  |  |
| 11. | Saya berani berpendapat jika ditunjuk oleh guru |  |  |  |  |
| 12. | Saya tidak sesegera mungkin menyelesaikan tugas yang diberikan |  |  |  |  |
| 13. | Saya berusaha untuk lebih aktif dan giat dalam segala hal |  |  |  |  |
| 14. | Saya belajar hanya pada saat ujian saja |  |  |  |  |
| 15. | Saya sering ditegur karena mengabaikan tugas |  |  |  |  |
| 16. | Saya mengerjakan PR dengan asal-asalan |  |  |  |  |
| 17. | Saya kurang tertarik pada pelajaran tertentu karena gurunya membosankan |  |  |  |  |
| 18. | Media yang membosankan membuat saya jenuh dalam belajar |  |  |  |  |
| 19. | Saya belajar karena dipaksa oleh orang tua |  |  |  |  |
| 20. | Saya senang belajar karena sambil melakukan praktik dengan alat peraga. |  |  |  |  |

1. **Skala Penelitian Student Engagement**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | PERNYATAAN | PILIHAN | | | |
|  |  | SS | S | TS | STS |
| 1. | Saya berusaha memperhatikan setiap materi yang diberikan oleh guru |  |  |  |  |
| 2. | Ketika guru menjelaskan pelajaran saya berkonsentrasi penuh agar dapat memahami materi |  |  |  |  |
| 3. | Saya akan sampai disekolah sebelum bel berbunyi |  |  |  |  |
| 4. | Saya lebih suka menyalin PR milik teman dari pada mengerjakannya sendiri |  |  |  |  |
| 5. | Saya malas mendengar penjelasan materi dari guru |  |  |  |  |
| 6. | Lebih baik ngobrol dengan teman daripada mendengar penjelasan dari guru |  |  |  |  |
| 7. | Saya malas bertanya kepada guru, karena diejek |  |  |  |  |
| 8. | Saya malas menggunakan seragam sekolah |  |  |  |  |
| 9. | Semua guru wajib dihargai |  |  |  |  |
| 10. | Setiap mata pelajaran penting bagi saya |  |  |  |  |
| 11. | Bagi saya guru tidak perlu dihargai |  |  |  |  |
| 12. | Saya merasa sekolah adalah suatu hal yang sia-sia |  |  |  |  |
| 13. | Belajar disekolah hanya membuang waktu saja |  |  |  |  |
| 14. | Saya tidak bersemangat untuk berangkat ke sekolah |  |  |  |  |
| 15. | Saya lebih suka bermain handpone ketika proses pembelajaran dilakukan |  |  |  |  |
| 16. | Saya akan mencatat untuk mengingat semua mata pelajaran yang disampaikan oleh guru |  |  |  |  |
| 17. | Saya membaca materi yang dipelajari secara berualng-ulang agar saya lebih mengerti |  |  |  |  |
| 18. | Apabila ada tugas disekolah saya dan teman berdiskusi agar tuntas terealisasikan dengan tepat dan cepat |  |  |  |  |
| 19. | Apabila saya mengalami kendala dalam mengerjakan tugas sekolah saya berusaha menyelesaikannya |  |  |  |  |
| 20. | Saya tidak suka menunda-nunda mengerjakan tugas yang diberikan guru. |  |  |  |  |

1. **Skala Penelitian Perilaku Menyontek**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | PERNYATAAN | PILIHAN | | | |
|  |  | SS | S | TS | STS |
| 1. | Saya membuka buku atau LKS saat ulangan ketika guru diluar kelas |  |  |  |  |
| 2. | Saya menjawab soal ulangan dengan kemampuan saya sendiri daripada membuat contekan |  |  |  |  |
| 3. | Saya menyalin jawaban teman saat ulangan sedang berlangsung |  |  |  |  |
| 4. | Saya berpura-pura belum selesai mengerjakan ketika teman meminta jawban |  |  |  |  |
| 5. | Saya tidak takut salah ketika mengerjakan ulangan, walaupun tidak menguasai pelajarannya |  |  |  |  |
| 6. | Saya membawa jawaban yang sudah lengkap saat ulangan sedang berlangsung |  |  |  |  |
| 7. | Larangan bagi saya untuk meniru jawaban teman yang sudah selesai mengerjakan |  |  |  |  |
| 8. | Saya memberikan izin kepada orang lain untuk melihat jawaban ulangan saya |  |  |  |  |
| 9. | Saya sering membawa catatan kecil disaat ulangan berlangsung |  |  |  |  |
| 10. | Belajar dengan sungguh-sungguh sebelum ulangan daripada membuat contekan |  |  |  |  |
| 11. | Saya saling bertukar jawaban dengan teman saat ulangan |  |  |  |  |
| 12. | Saya selalu menutup jawaban ulangan dengan rapat |  |  |  |  |
| 13. | Saya selalu yakin benar ketika menjawab soal |  |  |  |  |
| 14. | Saya menulis jawaban terlebih dahulu di kertas kecil sebelum ulangan berlangsung |  |  |  |  |
| 15. | Saya selalu mengerjakan soal ulangan dengan kemampuan dan sebisa saya |  |  |  |  |
| 16. | Ketika orang lain meminta melihat jawaban ulangan saya, saya selalu memberikannya |  |  |  |  |
| 17. | Menyalin jawaban dari catatan kecil yang sudah dibuat ketika ulangan disaat guru pengawas diluar kelas |  |  |  |  |
| 18. | Berusaha mengerjakan ulangan atau ujian semampu saya, walaupun ada kesempatan untuk membuka catatan yang sudah dibuat |  |  |  |  |
| 19. | Saya tidak akan membiarkan teman meniru jawaban ulangan meskipun dia memintanya |  |  |  |  |
| 20. | Saya selalu mengerjakan soal ulangan dengan kemampuan saya sendiri tanpa membuka LKS, meskipun ada kesempatan |  |  |  |  |
| 21. | Saya lebih percaya dengan jawaban saya sendiri, daripada meminta jawaban orang lain meskipun soal cukup sulit |  |  |  |  |
| 22. | Saya memperbolehkan orang lain untuk melihat jawaban ulangan saya, namun saya tidak akan membiarkan teman meniru jawaban ulangan meskipun dia memintanyaf |  |  |  |  |

1. **Tabulasi Data Penelitian Skala Motivasi Belajar**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   MB 1 MB 2 MB 3 MB 4 MB 5 MB 6 MB 7 MB 8 MB 9 MB 10 MB 11 MB 12 MB 13 MB 14 MB 15 MB 16 MB 17 MB 18 MB 19 MB 20  4 3 4 3 3 2 2 4 3 1 4 2 3 4 4 4 1 4 4 3  4 2 1 3 2 4 3 2 3 1 4 3 2 2 2 3 2 2 3 3  2 2 3 2 1 4 4 2 2 3 3 3 2 4 4 4 4 3 4 1  1 3 3 1 1 3 4 1 2 3 3 1 3 4 4 4 3 4 3 2  3 3 3 2 4 1 1 4 4 2 1 1 4 3 3 1 1 2 1 2  1 2 2 2 1 4 3 1 1 3 2 4 1 3 4 3 4 4 3 1  2 2 2 2 1 4 4 2 1 4 2 4 2 3 3 4 4 3 3 2  1 1 1 2 3 4 3 1 1 2 2 4 1 4 3 3 4 4 3 1  2 2 3 2 2 4 3 1 1 3 1 3 2 4 4 3 3 4 3 3  2 2 1 1 1 3 4 1 2 3 1 4 2 4 2 3 3 4 3 2  4 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 4 3 3 3  2 2 2 1 1 2 4 2 1 3 2 3 1 4 3 4 3 3 3 1  2 1 2 1 2 3 4 1 1 3 2 3 1 4 4 3 4 2 4 1  3 2 3 2 4 1 2 3 3 2 3 3 3 2 1 2 2 1 1 3  2 1 1 1 2 4 4 1 2 4 2 3 2 4 4 3 4 4 3 1  3 3 3 3 3 4 3 4 4 4 3 4 3 4 4 4 2 2 4 4  2 1 1 1 2 3 3 1 1 4 2 3 1 4 3 3 4 4 3 1  1 1 2 1 2 2 3 2 2 4 2 3 2 4 4 3 3 3 3 1  3 4 4 2 4 3 4 3 3 4 4 4 4 4 4 4 4 4 4 4  2 1 2 1 2 3 4 1 1 4 1 3 1 4 3 3 4 4 3 1  2 2 1 1 3 3 3 1 1 4 2 3 3 4 3 3 4 4 4 2  2 3 1 2 1 4 3 2 1 3 1 4 2 3 4 4 3 4 4 1  2 2 1 2 2 4 3 2 1 3 2 4 2 3 3 4 3 3 4 1  1 2 1 3 3 3 4 1 1 3 1 2 3 4 4 3 4 4 3 1  2 1 2 1 1 3 3 1 2 4 2 4 3 2 3 4 4 4 3 2  3 3 3 3 4 1 4 4 3 3 3 4 3 4 3 4 4 3 4 4  1 1 2 3 1 4 3 1 1 3 2 2 1 4 2 3 4 4 3 1  2 1 1 2 2 4 4 2 2 4 1 4 2 2 4 4 4 4 2 1  3 3 3 3 4 1 4 4 3 3 4 4 3 4 3 4 3 3 4 4  3 1 2 1 2 4 4 2 1 3 2 3 1 3 4 4 2 3 3 1  1 2 1 1 1 3 4 1 1 4 3 3 1 3 4 4 3 2 4 2  3 4 3 3 3 1 3 3 4 3 3 4 3 4 3 4 4 3 4 3  2 1 2 1 1 4 3 1 1 3 2 4 2 3 4 3 4 4 4 1  2 2 2 2 1 3 3 2 1 3 1 4 2 2 2 4 4 3 3 1  2 1 2 2 2 4 2 1 1 4 2 4 2 4 4 3 4 3 3 1  2 3 4 3 3 2 1 2 3 2 4 1 3 1 3 1 1 2 3 3  3 4 3 3 4 1 3 3 3 3 3 4 1 4 3 4 3 3 4 3  3 3 4 4 2 4 4 4 3 3 4 3 4 4 4 4 4 4 4 3  2 1 1 2 2 4 2 3 2 4 1 3 2 2 3 4 4 4 4 2  3 3 3 3 3 4 4 3 4 4 4 4 4 4 4 4 3 4 4 4  3 3 3 4 3 2 3 3 4 2 3 1 2 2 2 3 2 2 1 3  3 4 3 3 4 2 3 3 3 3 3 4 3 3 3 4 3 3 4 3  3 2 4 4 3 3 1 2 3 2 3 1 3 2 1 1 2 1 1 3  1 2 1 2 2 4 2 2 2 4 2 3 1 3 4 3 4 4 3 1  4 3 3 3 4 4 4 4 3 4 3 4 4 4 4 4 3 4 4 3  2 2 1 2 1 3 4 1 2 3 1 3 2 3 3 2 4 4 3 1  4 3 4 4 3 3 4 4 4 4 3 4 3 4 4 4 3 4 4 3  2 2 1 2 2 3 3 1 2 4 1 4 2 3 4 3 2 4 4 2  4 3 4 3 3 4 4 4 3 4 3 4 3 4 3 4 4 4 4 3  2 3 2 2 1 3 3 1 1 2 2 4 2 4 3 4 3 3 1 1  1 2 1 3 1 3 3 3 1 4 2 4 3 3 3 4 4 4 2 1  3 4 3 3 4 2 4 3 3 3 4 3 3 4 3 4 3 4 3 4  2 1 1 1 2 3 4 1 1 3 2 4 1 4 4 3 4 4 3 2  2 1 3 2 1 4 2 1 1 3 2 3 1 4 3 4 4 4 3 1  3 4 4 3 3 4 4 3 4 4 3 4 4 4 4 4 4 4 4 3  3 4 3 4 4 1 3 4 3 3 3 3 4 3 4 4 4 3 4 3  1 2 2 2 1 3 2 2 1 4 2 4 1 3 3 3 4 3 4 2  1 1 1 2 1 3 3 3 2 4 2 3 1 3 4 3 4 3 3 2  2 1 1 1 2 3 4 2 3 3 3 2 2 4 4 4 3 4 4 1  3 3 4 3 3 2 3 4 3 4 3 3 3 4 4 4 3 3 4 3  4 2 3 3 3 2 1 3 2 2 3 3 3 1 2 3 3 2 2 2  1 1 3 2 1 2 3 3 1 4 3 2 2 4 4 4 2 4 4 2  3 3 4 3 4 1 3 3 4 3 3 3 4 4 3 4 4 3 4 3  4 3 3 3 3 4 3 3 1 3 4 4 3 4 4 4 4 3 4 3  1 1 2 2 1 3 3 1 1 4 2 3 1 3 4 4 3 3 2 2  4 3 4 3 4 2 1 3 3 3 4 3 4 2 2 2 1 3 2 3  3 3 3 4 3 1 4 3 3 4 3 4 3 4 3 4 4 3 4 4  4 4 3 3 4 4 3 4 3 4 3 3 3 4 3 4 4 3 4 4  1 2 2 1 3 4 3 1 2 4 1 4 2 3 4 3 4 4 4 1  3 2 4 4 3 4 4 4 4 4 3 4 3 4 4 4 3 4 3 4  1 1 2 1 1 3 4 1 2 4 1 4 2 4 3 3 4 4 4 3  3 4 3 3 4 2 4 4 3 4 3 4 3 4 3 4 4 4 4 4  3 3 4 3 3 4 4 3 4 4 4 4 3 4 4 3 4 4 4 3  1 1 2 1 1 3 2 2 1 3 1 4 1 2 3 3 4 3 4 1  1 1 2 2 2 4 4 1 2 4 1 3 2 4 3 3 4 4 3 2  3 3 4 4 4 4 3 3 3 4 4 4 3 4 4 3 4 4 3 4  4 3 3 3 4 1 3 4 3 3 3 4 3 4 3 3 3 4 2 3  2 3 4 4 3 4 3 3 4 4 4 3 4 3 4 3 4 4 3 4  3 4 3 3 3 2 3 3 3 3 3 4 3 4 3 4 4 3 4 3  2 3 4 3 4 1 3 4 2 1 3 4 3 3 4 3 4 3 4 3  3 3 3 3 3 1 4 3 3 3 3 3 3 4 3 4 4 4 3 4  3 4 3 3 3 2 3 4 3 3 3 3 4 4 4 3 3 4 3 1  3 4 3 3 3 1 3 4 3 3 3 4 3 3 2 3 4 3 4 3  3 3 4 3 3 2 4 3 3 3 3 4 3 4 4 4 4 4 3 3  3 4 3 3 4 2 4 3 3 3 3 3 3 3 4 3 4 3 4 4  3 4 3 3 4 2 4 3 3 3 3 3 4 3 3 4 4 3 4 3  3 3 4 4 3 1 3 3 3 3 3 3 3 4 3 4 4 3 4 3  4 3 4 3 3 2 4 3 3 3 3 4 3 3 3 4 3 3 3 3  3 4 3 3 4 2 4 3 3 3 3 3 3 3 4 2 4 3 4 3  3 3 3 3 4 1 4 4 3 4 3 3 3 3 4 3 3 4 3 4  3 4 3 3 4 1 3 3 3 3 3 1 3 3 4 3 3 4 4 4  3 3 4 3 3 2 4 4 3 3 3 3 3 3 3 4 3 4 4 4  4 3 3 4 4 2 4 4 3 4 3 4 4 3 4 3 3 4 3 3  3 4 3 3 4 2 4 3 3 3 3 4 3 4 3 3 3 3 3 3  4 4 3 3 4 1 3 3 3 4 3 2 3 3 4 3 4 3 4 3  3 3 4 3 4 2 4 4 3 3 3 4 3 4 3 4 4 3 4 3  3 4 4 3 4 2 4 3 3 4 3 3 4 4 3 4 3 4 3 3  3 4 3 3 3 2 4 4 3 3 3 4 3 4 3 4 3 4 3 3  3 4 3 3 3 1 4 4 3 3 3 3 3 4 4 3 3 4 4 4  3 3 3 3 3 1 4 3 4 3 4 3 4 3 4 4 3 4 3 3  3 3 4 3 4 3 3 3 3 3 3 3 4 3 3 3 3 3 3 3  3 3 4 3 4 3 4 4 3 4 4 4 3 3 4 4 3 3 3 4  3 4 4 4 3 3 3 4 3 3 3 4 4 4 4 4 4 2 4 4  3 3 4 4 3 4 4 4 3 3 3 4 3 3 4 4 4 2 4 4  3 3 3 4 4 1 2 3 3 2 3 1 3 2 1 2 2 1 2 3  3 3 3 4 4 4 3 4 3 3 4 3 4 4 4 3 4 4 3 4  3 4 4 3 4 4 4 4 3 3 3 3 4 4 3 4 2 1 4 4  3 4 3 3 3 4 4 4 3 4 4 3 3 3 4 3 4 4 3 4  4 2 4 4 3 3 4 4 3 4 4 3 3 4 4 4 4 2 4 4  4 3 3 3 4 2 1 4 3 1 3 1 3 2 2 1 2 1 2 3  3 4 3 3 3 4 3 4 4 4 3 4 4 3 3 3 3 4 4 3  3 4 3 4 4 2 2 4 4 2 3 2 2 1 2 2 2 3 2 4  4 4 3 3 3 4 4 4 3 4 4 4 3 4 3 4 3 1 4 4  3 4 4 4 3 4 3 3 3 4 4 3 3 4 4 3 3 3 3 4  4 3 2 3 3 2 1 3 3 2 3 3 4 2 1 1 2 3 3 3  4 4 4 4 4 4 4 2 3 3 4 4 4 3 4 4 2 2 3 4  3 4 4 4 3 4 3 4 3 3 3 4 4 3 4 4 3 4 4 3  3 3 3 2 2 2 1 3 3 3 3 2 2 1 1 1 2 1 2 3  3 3 3 4 3 3 2 2 3 3 3 3 4 2 1 1 2 2 2 3  3 4 3 3 4 4 3 4 4 4 3 3 4 3 3 3 4 4 4 3  3 4 3 4 3 3 4 4 3 4 4 3 3 4 3 4 3 4 3 4  3 3 4 3 3 2 2 3 4 2 3 4 2 1 2 2 3 2 4 4  3 4 3 2 3 1 2 3 4 2 3 1 2 3 2 2 2 3 2 3  4 4 4 4 4 4 4 3 3 4 3 3 4 3 4 4 4 2 3 4  2 2 1 2 1 1 2 1 1 1 2 1 2 2 2 1 2 2 1 2  4 3 3 3 3 1 2 4 3 2 3 1 3 1 2 2 2 2 2 3  2 2 1 2 1 2 1 1 2 1 1 1 2 2 1 1 2 2 2 1  3 3 2 4 3 1 1 3 2 2 2 2 3 1 2 2 2 2 1 3  4 4 4 4 4 4 4 2 2 2 4 3 4 3 4 4 2 2 3 4  1 1 2 2 2 1 2 2 1 1 2 1 2 2 1 1 1 2 1 1  2 2 2 1 1 1 2 1 2 2 1 2 1 1 1 2 2 2 2 1  4 4 4 4 3 4 4 2 3 3 3 4 3 4 4 4 4 2 4 4  2 1 2 2 2 1 1 1 2 1 1 2 2 2 1 2 1 1 2 1  2 1 2 2 2 1 2 1 1 1 2 1 1 2 2 2 1 1 1 2  4 3 4 4 4 1 4 4 4 4 4 4 4 3 3 4 4 4 4 4  2 1 1 1 2 1 2 2 2 1 1 2 1 1 1 2 2 2 2 1  2 1 1 1 2 1 2 1 2 2 2 1 1 2 1 1 2 1 1 2  2 1 2 2 1 1 2 1 1 1 2 2 1 2 2 2 1 1 1 2  2 1 2 1 2 2 1 1 2 1 1 2 2 1 2 1 2 1 2 1  4 4 3 3 4 1 4 4 4 3 3 4 3 3 3 3 3 3 2 2  3 4 3 3 4 1 4 4 3 4 3 4 1 4 4 4 4 4 3 3  3 4 3 4 3 1 4 3 4 4 4 4 4 4 4 3 3 4 3 3  3 4 4 3 3 1 4 3 1 1 1 2 1 4 4 4 4 3 4 3  3 3 3 3 4 1 4 4 3 4 4 4 3 4 4 4 4 4 4 3  3 3 3 4 3 1 3 4 4 4 3 4 3 3 4 3 4 3 4 4  4 4 3 3 4 1 3 3 4 4 4 4 4 3 4 4 3 3 4 3  4 3 4 3 4 1 4 3 4 4 3 4 4 3 4 4 3 4 3 3  3 4 4 3 4 3 3 3 4 4 4 3 4 3 4 4 4 1 4 4  4 3 4 4 4 2 4 4 4 4 4 4 4 4 4 4 3 4 3 4  4 4 3 4 4 4 4 3 4 3 4 4 4 3 3 4 4 1 4 4  3 4 4 4 4 3 4 3 4 3 4 3 3 4 3 4 4 1 4 3  4 4 4 3 4 2 4 4 3 3 4 4 3 4 4 3 3 4 3 3  4 3 3 4 4 4 4 3 3 3 3 4 4 4 4 4 2 1 3 4  3 4 3 4 4 2 4 4 4 4 4 4 3 4 4 3 4 3 3 3  4 4 3 4 4 3 4 3 3 3 4 3 4 3 4 4 4 1 4 4  4 4 3 4 3 4 4 3 3 2 3 4 3 4 4 4 1 2 4 3  4 3 4 3 4 1 1 4 4 1 4 1 3 1 1 2 1 1 1 3  3 4 4 4 4 3 3 3 4 4 4 3 4 4 4 4 4 2 4 4  4 3 4 4 3 1 4 3 4 4 3 4 3 4 4 3 4 3 3 3  3 4 4 3 4 4 3 4 4 3 4 3 4 4 4 4 4 2 3 4  4 3 4 3 3 2 4 3 4 4 3 4 4 4 3 4 4 3 4 3  4 4 3 3 4 3 3 4 4 4 3 4 4 3 4 4 3 1 4 4  4 3 3 3 4 2 3 1 4 4 3 4 3 4 4 3 3 4 3 4  3 4 3 4 4 4 4 4 4 4 4 4 3 4 4 4 4 2 4 4  4 4 4 4 3 2 4 4 4 4 3 3 3 4 3 4 3 3 4 3  4 3 4 4 3 3 3 4 4 4 4 3 4 4 4 4 4 2 4 4  4 3 3 3 3 2 4 3 3 4 4 4 4 4 4 3 4 4 3 3  4 3 4 3 4 2 4 4 3 4 3 4 3 4 4 3 4 4 4 3  2 3 4 2 3 1 3 2 2 1 4 2 4 1 3 3 2 2 4 4  4 4 3 3 4 1 4 4 3 4 4 4 4 4 3 4 3 4 4 3  4 3 3 3 4 1 4 4 3 4 4 4 3 3 4 3 4 4 4 3  4 3 3 3 4 2 4 3 3 4 3 4 3 4 4 3 3 4 4 3  4 3 3 3 3 1 3 4 4 4 4 4 3 4 3 4 3 4 4 3  3 3 3 4 3 1 4 3 4 4 3 4 3 4 3 4 4 4 3 3  4 3 3 3 3 2 3 4 4 4 4 4 3 3 4 4 4 3 4 3  3 4 3 3 4 1 4 3 4 4 4 4 3 4 4 4 3 4 4 3  4 3 4 3 4 2 4 4 1 3 4 4 4 4 4 3 3 3 4 3  3 4 4 3 4 2 4 3 4 4 3 4 4 3 4 4 4 3 3 3  3 4 4 3 3 1 4 3 3 4 3 4 3 4 4 4 4 4 3 3  4 3 3 4 3 1 4 3 4 4 3 4 4 4 3 4 4 3 3 4  3 4 3 4 4 1 4 3 1 4 4 4 4 3 4 3 3 4 3 3  4 3 4 4 4 1 4 3 3 4 4 4 3 4 4 3 4 3 4 4  3 3 4 4 3 1 1 3 3 2 3 2 2 2 2 2 2 3 3 3  4 4 4 3 3 1 4 4 4 3 4 4 4 4 4 4 4 3 3 4  3 3 3 3 3 2 2 2 2 2 3 2 3 3 2 2 2 2 2 4  2 2 2 3 3 2 1 4 3 3 3 2 3 2 1 1 1 2 2 4  4 4 3 3 3 1 4 4 4 3 4 4 3 4 4 3 4 4 4 3  3 3 3 3 2 3 4 2 3 2 4 1 4 1 2 2 3 1 2 3  4 4 3 4 4 2 4 3 3 4 3 4 3 4 4 3 4 3 4 1  4 3 3 4 4 2 4 3 4 4 4 4 3 4 3 3 4 3 4 4  4 3 4 3 4 2 4 3 4 4 3 4 3 4 3 3 4 4 3 3  3 4 4 3 4 2 4 3 3 4 3 3 4 4 4 3 3 3 3 4  3 4 3 3 4 2 4 3 4 4 4 4 3 4 4 3 4 3 3 1  4 4 4 3 4 1 4 3 3 4 4 4 3 3 4 4 4 3 4 3  4 4 3 3 3 1 4 4 4 4 4 4 3 4 4 3 4 3 3 3  3 3 4 4 3 2 3 2 1 3 4 3 4 2 4 4 2 2 4 4  3 3 4 3 3 1 4 4 3 4 3 4 4 3 4 4 3 4 3 3  3 4 3 3 3 1 4 4 3 4 4 4 3 3 4 4 4 3 4 3  3 4 3 3 4 2 4 3 3 3 4 4 3 4 3 4 3 4 4 3  3 4 4 3 3 1 4 4 4 4 4 4 3 3 3 4 3 4 3 3  4 4 4 4 3 1 4 3 3 4 4 4 3 4 3 3 3 4 3 4  3 4 3 3 4 4 4 3 2 2 4 3 4 1 4 4 2 2 2 4  3 3 3 3 4 2 4 4 3 4 3 4 3 4 4 3 3 4 4 3  4 4 4 3 4 1 4 3 4 4 3 4 4 4 4 3 4 4 3 3  4 3 3 4 4 2 4 3 3 4 4 4 3 4 3 4 4 3 4 3  4 4 3 3 4 2 4 3 3 4 3 4 3 4 3 4 4 4 3 3  4 3 3 2 4 1 2 3 3 2 3 1 3 1 2 2 2 3 2 4  3 4 4 4 3 2 4 3 3 4 3 4 3 3 4 3 4 4 3 1  3 3 3 3 4 2 3 2 3 3 3 1 4 2 1 2 2 1 2 4  3 2 3 3 2 1 2 3 3 2 3 1 3 4 3 2 1 2 2 4  3 4 3 3 4 2 4 1 3 4 4 4 3 4 4 4 4 3 4 3  4 4 3 3 3 1 4 4 3 4 4 4 3 4 3 3 4 4 3 1  3 4 3 4 3 1 3 3 2 2 4 3 4 2 4 4 2 2 4 4  3 3 3 3 4 2 4 3 3 4 4 4 3 4 4 3 4 4 4 3  3 3 4 3 4 1 4 4 3 4 3 4 4 4 3 4 3 4 4 3  3 4 3 3 4 2 4 4 4 4 4 3 4 3 4 3 4 4 4 2  3 4 4 3 3 2 4 3 4 4 4 4 3 4 3 4 3 4 3 3  3 3 4 4 4 1 4 3 4 3 3 4 3 4 4 3 3 3 4 3  3 4 3 4 3 1 4 3 4 4 1 4 3 4 4 4 3 4 3 2  3 3 3 3 3 1 4 4 3 4 3 4 3 4 4 3 3 4 4 3  3 3 3 4 3 1 4 4 4 4 3 4 3 4 3 4 3 4 3 4  3 3 3 4 3 1 4 3 3 4 3 3 4 4 4 3 3 4 4 3  4 3 4 4 3 1 4 3 3 4 4 4 3 4 4 3 3 4 3 1  3 3 3 3 4 1 3 3 4 4 3 4 3 4 4 4 3 3 4 3  3 3 3 3 4 1 4 4 3 4 4 4 3 4 4 3 3 4 4 1  4 3 3 3 3 1 4 4 3 4 3 4 4 4 3 3 4 3 4 3  3 3 3 3 4 2 4 4 4 4 4 4 3 4 4 4 3 4 4 3  3 3 4 3 3 1 4 4 3 4 4 4 4 4 4 4 4 4 4 3  4 3 3 3 3 2 4 3 3 4 3 4 4 4 3 3 4 3 4 3  3 3 3 4 4 2 4 3 3 4 3 4 3 4 4 3 4 4 4 2  4 4 3 3 4 1 4 4 4 4 4 4 4 4 4 4 3 3 4 3  3 4 3 3 3 1 4 4 3 4 4 4 3 4 3 3 4 4 3 3  4 3 3 3 4 1 4 3 3 4 4 4 3 4 4 3 3 4 3 3  3 3 4 3 3 1 4 4 3 4 3 3 4 4 4 3 4 3 4 3  4 3 3 3 3 2 4 3 3 4 4 3 4 4 3 4 4 4 3 3  3 4 4 3 3 1 4 3 4 4 3 4 4 4 1 4 4 3 4 3  3 3 3 3 4 2 1 3 4 2 3 2 4 1 2 2 1 1 2 3  4 3 3 2 3 2 1 3 3 2 4 2 4 2 1 1 1 2 1 4  3 4 4 3 3 2 2 4 4 1 4 1 3 1 2 2 2 1 1 3  4 4 4 3 4 1 2 4 4 2 3 2 4 1 2 2 1 1 1 3  3 4 3 4 4 1 1 3 4 1 4 2 4 3 3 3 2 3 2 3  2 3 3 3 3 3 2 2 3 2 2 2 3 2 1 2 2 2 2 2  4 4 3 3 2 3 2 2 3 3 2 3 2 1 2 1 3 4 2 4  2 3 1 2 3 2 3 1 2 2 3 4 4 1 4 4 2 2 2 4  3 3 4 2 3 3 1 3 4 2 3 1 3 2 2 2 2 1 1 4  3 4 4 3 4 2 2 1 2 1 2 2 2 3 2 2 2 2 2 3  4 3 3 2 3 3 1 3 2 3 2 2 3 3 3 2 1 1 2 3  4 4 3 3 3 1 2 3 3 1 3 2 2 2 2 1 3 2 1 3  3 4 4 4 3 3 3 3 4 3 3 4 4 4 4 4 2 1 4 4  4 3 2 3 4 1 2 3 4 2 3 1 4 1 1 2 2 2 2 4  3 3 3 4 3 2 1 3 3 2 2 3 2 3 2 2 2 3 2 3  4 3 2 2 4 2 2 4 3 2 3 2 3 2 2 1 2 2 2 3  3 4 3 4 3 2 2 3 4 2 2 2 3 3 3 2 2 3 1 3  3 2 3 4 3 2 2 2 3 3 3 2 4 2 2 1 2 3 1 4  3 4 3 3 4 3 4 4 4 4 3 3 4 4 4 3 3 2 4 4  3 4 4 3 3 2 4 3 3 4 3 3 4 4 4 4 4 1 4 4  2 3 2 2 2 1 3 2 2 2 3 1 3 1 4 4 2 1 1 4  2 3 3 2 3 2 4 1 2 2 3 2 3 2 4 4 2 2 2 4  4 3 3 4 3 2 1 3 3 1 4 3 2 3 3 2 3 2 2 3  3 4 3 4 2 2 1 2 3 3 2 1 3 2 1 3 2 2 2 4  4 4 3 4 3 1 1 2 2 3 4 2 4 2 1 2 2 2 2 3  3 2 3 4 4 3 1 3 3 2 2 1 3 2 2 2 3 3 3 3  3 2 3 3 3 3 3 4 4 1 4 3 2 3 3 2 2 1 2 3  4 3 3 3 4 2 2 3 4 3 3 3 2 4 2 2 3 2 2 2  3 2 2 3 3 1 2 3 4 2 3 2 3 3 2 2 2 1 1 4  3 2 3 3 3 2 2 3 2 3 3 1 3 2 1 1 2 2 2 4  4 3 3 2 3 1 1 3 3 2 4 2 4 2 2 1 2 2 1 3  4 3 2 4 4 2 2 3 4 2 3 2 3 2 2 2 1 2 2 4  3 3 3 2 3 2 2 2 3 3 3 2 2 2 1 2 2 2 2 3  4 3 2 3 2 2 3 4 3 2 3 1 2 3 3 2 2 1 3 2  2 3 4 4 3 3 2 2 4 1 4 1 4 2 3 2 3 3 4 4  3 2 2 2 3 2 2 2 3 2 3 1 3 1 2 2 2 2 2 4  3 3 4 4 4 1 1 2 3 3 4 2 2 4 2 2 2 1 2 4  3 3 4 4 3 2 1 3 3 1 3 1 4 1 2 3 3 3 2 4  3 4 4 3 3 2 1 4 3 1 4 2 3 2 1 2 1 2 2 4  3 2 3 2 1 4 4 3 4 1 1 3 2 4 4 2 2 2 2 3  3 3 3 4 4 1 1 2 3 2 2 2 3 2 2 2 2 2 2 3  4 4 3 3 3 1 3 2 2 2 4 2 3 2 1 1 3 2 2 3  3 3 3 4 3 1 1 3 3 3 2 2 2 2 1 1 1 2 2 3  3 3 2 4 4 1 2 3 3 2 3 1 3 2 1 2 2 2 2 4  3 3 3 4 4 2 2 3 3 2 3 2 4 2 2 3 3 3 3 3  4 4 4 3 1 2 2 4 3 3 3 2 3 3 2 2 2 1 2 3  3 3 3 3 3 2 1 3 4 2 3 1 3 2 3 1 4 2 3 3  4 4 4 4 4 2 2 3 3 1 3 2 3 1 1 1 2 1 1 3  4 3 3 3 3 2 3 3 3 2 3 2 3 2 2 2 2 2 2 3  3 3 3 3 2 3 2 2 4 2 3 3 4 2 2 3 1 2 2 4  3 3 3 3 3 2 2 3 3 2 3 3 2 2 2 2 2 2 2 3  3 3 3 3 3 2 3 3 3 3 3 2 4 2 2 1 2 2 2 4  4 3 3 3 3 2 2 3 3 2 3 2 3 2 3 3 2 2 3 3  4 3 2 3 3 2 2 3 2 3 4 2 3 1 2 1 2 3 3 3  4 3 4 3 3 4 3 3 3 3 3 2 3 2 2 2 2 2 3 3  4 4 3 4 3 2 2 3 3 3 3 3 3 2 2 2 2 2 2 3  3 2 2 2 2 2 1 3 4 3 3 3 4 3 1 2 3 1 1 4  2 2 3 3 3 2 2 3 3 2 3 3 2 2 2 2 3 3 3 3  3 2 2 2 3 2 1 3 3 1 3 2 4 3 2 2 2 2 2 4  2 2 2 1 2 1 1 3 3 3 2 2 3 3 2 3 2 2 2 2  3 2 4 2 3 2 2 2 4 1 4 2 3 2 1 2 2 1 2 3  4 4 3 3 2 1 3 3 4 2 3 2 3 2 2 2 2 2 2 3  4 3 2 2 3 2 2 3 3 3 2 3 2 3 2 3 2 2 2 3  3 3 3 3 2 2 3 3 2 2 2 2 2 2 3 3 2 3 1 3  3 3 4 3 4 1 3 4 3 4 4 3 4 4 4 4 4 4 3 3  4 3 4 3 4 1 3 4 3 4 4 4 3 4 3 3 4 3 3 3  3 4 4 3 4 1 4 3 3 4 3 3 4 4 3 4 4 3 4 4  3 4 4 3 4 2 4 3 4 4 3 4 4 4 3 3 3 3 4 3  4 3 3 3 4 1 4 4 3 4 4 4 3 4 4 3 3 3 3 4  4 3 3 3 4 2 4 4 4 4 3 4 4 4 3 3 4 3 3 3  3 3 4 3 4 2 4 3 3 4 3 4 3 4 3 4 3 4 3 3  4 3 3 3 4 2 4 4 4 4 3 4 3 4 4 3 3 4 4 2  4 4 3 4 3 1 4 3 3 4 4 4 3 4 3 3 3 4 4 3  4 3 3 4 4 2 4 3 4 4 4 4 4 4 4 3 4 3 4 3  4 3 3 4 4 1 4 4 4 4 4 4 3 4 4 4 3 3 3 4  4 4 3 3 4 1 4 4 3 4 4 4 4 4 3 4 3 4 4 4  4 3 4 3 3 1 3 3 4 4 4 4 4 3 4 4 4 3 4 3  3 3 4 4 3 1 4 4 3 4 3 4 4 4 4 4 4 4 3 4  3 3 4 3 4 1 4 4 3 4 4 3 4 4 3 4 4 4 4 3  3 4 2 4 4 2 4 3 4 4 4 4 4 4 4 4 4 4 4 4  4 3 3 4 4 2 4 4 4 3 4 4 4 4 4 4 4 4 4 3  4 4 3 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 3  4 4 3 4 3 1 4 4 4 4 4 4 4 4 4 3 4 4 4 3  3 3 3 3 4 2 4 3 3 4 4 4 4 4 4 4 3 4 4 3  4 4 3 3 4 1 3 4 4 4 4 3 3 4 4 3 4 4 4 3  4 4 3 3 4 1 4 4 4 4 4 4 4 4 3 3 3 4 4 4  3 3 4 3 4 1 4 4 4 4 4 3 3 4 4 3 3 4 4 4  4 4 3 3 4 1 3 4 4 4 3 4 4 4 3 4 3 4 4 3  3 3 3 4 4 1 4 3 3 4 4 4 4 4 3 4 4 4 3 3  4 3 4 4 4 1 4 4 4 4 4 4 3 4 4 4 4 4 4 3  4 4 4 4 4 1 4 4 4 4 4 4 4 4 3 4 4 4 4 4  4 4 3 3 3 1 4 4 4 4 4 4 4 4 3 3 4 4 4 3  3 3 3 3 3 1 4 3 3 4 3 4 3 4 4 3 4 4 4 3  3 4 4 4 4 2 4 3 4 4 4 4 3 4 4 4 4 4 3 3  3 4 4 4 4 3 4 4 3 3 4 4 3 3 3 3 3 2 4 4  4 3 4 3 3 3 4 4 3 3 3 3 4 3 3 4 3 2 4 3  4 3 4 3 3 3 4 3 3 3 4 3 4 4 4 3 3 2 4 3  4 4 4 3 3 3 4 4 3 3 3 3 4 3 4 4 3 2 3 3  4 3 4 3 4 3 4 4 3 3 3 3 4 3 4 4 3 2 3 3  4 3 4 3 3 4 1 4 2 2 2 1 2 3 4 3 3 2 4 3  4 4 4 3 3 3 4 4 3 3 3 3 4 3 3 4 3 2 4 3  4 3 4 3 3 3 4 4 3 3 3 3 4 3 3 4 3 2 4 3  4 3 4 3 4 4 4 4 3 3 3 3 4 3 3 4 4 1 4 4  4 3 4 3 3 3 4 4 3 3 3 3 4 3 4 3 3 1 4 3  3 4 3 3 4 3 4 4 4 3 3 4 4 4 4 4 3 4 4 4  4 3 4 4 3 4 2 4 3 3 4 3 4 4 3 4 3 4 3 4  4 2 3 3 4 4 3 2 4 4 4 4 4 4 4 4 3 4 4 4  2 4 4 3 1 3 4 3 3 2 3 2 3 4 3 3 2 4 4 2  3 3 4 4 3 4 4 4 4 2 1 2 2 3 3 3 2 2 4 3  3 3 3 1 1 1 1 3 1 3 2 2 2 2 2 3 2 1 2 4  3 3 3 4 4 4 4 3 4 4 3 3 4 3 3 2 1 2 2 3  3 4 4 3 3 3 3 4 4 4 4 4 4 4 3 3 4 4 4 3  3 3 3 4 3 4 4 3 4 4 3 4 4 4 3 3 4 4 4 3  4 4 3 3 4 3 3 4 4 4 3 4 4 4 4 3 4 3 4 1  3 3 2 4 3 3 4 3 3 3 3 3 3 4 4 3 3 4 3 4  3 3 4 3 3 4 4 4 4 4 4 4 3 4 3 3 4 3 1 2  3 4 1 2 4 1 1 2 3 2 2 2 4 1 2 2 1 1 2 2  3 4 3 3 4 2 3 4 4 3 4 4 3 4 4 3 3 4 1 4  3 3 3 3 3 1 2 3 4 4 3 3 3 3 2 2 3 3 2 3  3 3 3 4 4 2 1 4 2 4 1 4 4 1 2 3 1 1 2 3  3 2 3 4 3 1 1 4 3 1 3 1 2 2 2 1 1 1 1 3  4 3 4 3 3 3 3 4 3 4 2 1 1 2 4 2 4 3 4 4  3 3 3 4 3 1 2 3 1 2 3 1 3 3 1 1 2 1 3 2  3 4 2 2 4 1 1 3 3 2 3 1 3 1 1 2 2 2 2 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. **Tabulasi Data Penelitian Skala Student Engagement**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SE 1** | **SE 2** | **SE 3** | **SE 4** | **SE 5** | **SE 6** | **SE 7** | **SE 8** | **SE 9** | **SE 10** | **SE 11** | **SE 12** | **SE 13** | **SE 14** | **SE 15** | **SE 16** | **SE 17** | **SE 18** | **SE 19** | **SE 20** |
| 3 | 4 | 4 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 |
| 3 | 3 | 3 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 3 | 3 |
| 2 | 2 | 1 | 4 | 3 | 4 | 3 | 4 | 1 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 1 | 1 | 2 | 1 |
| 1 | 1 | 1 | 3 | 3 | 4 | 4 | 2 | 1 | 1 | 4 | 4 | 4 | 3 | 3 | 1 | 3 | 2 | 1 | 1 |
| 4 | 3 | 3 | 2 | 3 | 1 | 3 | 3 | 4 | 3 | 2 | 2 | 1 | 2 | 2 | 4 | 4 | 3 | 3 | 3 |
| 2 | 1 | 2 | 3 | 3 | 4 | 4 | 4 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 1 | 2 | 1 | 1 | 1 |
| 2 | 1 | 1 | 4 | 3 | 3 | 4 | 3 | 1 | 3 | 4 | 4 | 3 | 4 | 4 | 1 | 1 | 2 | 2 | 1 |
| 2 | 1 | 1 | 3 | 4 | 2 | 4 | 2 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 2 | 1 | 2 | 2 | 1 |
| 1 | 3 | 1 | 4 | 4 | 4 | 3 | 3 | 2 | 1 | 4 | 2 | 4 | 4 | 4 | 2 | 1 | 2 | 2 | 2 |
| 3 | 3 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | 1 | 4 | 4 | 4 | 4 | 3 | 1 | 2 | 2 | 1 | 1 |
| 4 | 3 | 4 | 1 | 2 | 3 | 1 | 2 | 4 | 3 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 3 | 4 | 4 |
| 1 | 2 | 2 | 3 | 4 | 4 | 2 | 4 | 1 | 1 | 3 | 3 | 4 | 3 | 3 | 2 | 1 | 1 | 2 | 3 |
| 2 | 2 | 1 | 3 | 3 | 4 | 4 | 3 | 1 | 1 | 4 | 4 | 3 | 3 | 4 | 1 | 2 | 2 | 1 | 1 |
| 3 | 3 | 3 | 2 | 1 | 3 | 1 | 1 | 3 | 4 | 2 | 1 | 2 | 1 | 3 | 3 | 2 | 4 | 1 | 3 |
| 2 | 1 | 2 | 4 | 4 | 2 | 3 | 3 | 1 | 1 | 4 | 3 | 3 | 4 | 4 | 1 | 2 | 2 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 |
| 1 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | 1 | 1 | 2 | 4 | 3 | 4 | 4 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 3 | 3 | 3 | 4 | 4 | 4 | 1 | 1 | 3 | 3 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 3 |
| 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 1 | 4 | 4 | 1 |
| 1 | 1 | 1 | 4 | 4 | 3 | 4 | 4 | 2 | 1 | 4 | 2 | 3 | 4 | 3 | 1 | 2 | 2 | 1 | 1 |
| 2 | 2 | 1 | 4 | 3 | 3 | 4 | 3 | 1 | 1 | 3 | 4 | 4 | 3 | 4 | 2 | 2 | 2 | 1 | 2 |
| 1 | 1 | 3 | 4 | 3 | 4 | 4 | 4 | 1 | 1 | 4 | 3 | 3 | 3 | 4 | 1 | 2 | 2 | 1 | 1 |
| 1 | 1 | 3 | 3 | 4 | 3 | 4 | 3 | 2 | 1 | 4 | 4 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 2 |
| 1 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 1 | 3 | 3 | 2 | 4 | 3 | 3 | 1 | 1 | 1 | 2 |
| 2 | 1 | 1 | 3 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 4 | 3 | 4 | 4 | 1 | 2 | 2 | 1 | 1 |
| 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 1 | 3 | 4 |
| 1 | 1 | 3 | 4 | 4 | 4 | 3 | 4 | 1 | 1 | 4 | 3 | 4 | 3 | 3 | 1 | 1 | 1 | 1 | 2 |
| 1 | 1 | 2 | 3 | 3 | 4 | 4 | 3 | 1 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 1 | 2 | 2 | 2 |
| 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 1 | 3 | 4 |
| 1 | 1 | 2 | 4 | 4 | 3 | 4 | 3 | 2 | 2 | 4 | 3 | 4 | 4 | 3 | 2 | 1 | 1 | 2 | 2 |
| 1 | 1 | 1 | 4 | 4 | 4 | 3 | 3 | 3 | 1 | 4 | 4 | 2 | 2 | 4 | 1 | 1 | 1 | 2 | 1 |
| 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 1 | 3 | 3 |
| 1 | 1 | 1 | 3 | 4 | 3 | 4 | 3 | 1 | 1 | 4 | 3 | 4 | 3 | 3 | 1 | 1 | 3 | 2 | 1 |
| 2 | 2 | 1 | 3 | 3 | 4 | 2 | 3 | 2 | 1 | 4 | 4 | 3 | 3 | 4 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 3 | 2 | 3 | 3 | 3 | 2 | 1 | 3 | 3 | 4 | 4 | 3 | 2 | 1 | 1 | 1 | 1 |
| 1 | 1 | 2 | 4 | 4 | 3 | 4 | 4 | 1 | 1 | 4 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 2 |
| 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 1 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 |
| 1 | 2 | 1 | 4 | 3 | 4 | 4 | 3 | 2 | 1 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 1 | 1 | 1 |
| 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 |
| 3 | 1 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 1 | 1 | 3 | 2 | 2 | 3 | 4 | 3 | 3 | 4 |
| 3 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 4 |
| 4 | 2 | 4 | 1 | 3 | 1 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 4 | 1 | 4 | 3 |
| 1 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 4 | 4 | 4 | 3 | 2 | 1 | 2 | 1 | 1 | 1 |
| 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 |
| 2 | 2 | 1 | 4 | 4 | 3 | 4 | 4 | 1 | 3 | 3 | 4 | 4 | 3 | 4 | 1 | 2 | 1 | 4 | 1 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| 1 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | 1 | 2 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 1 | 2 | 2 |
| 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 |
| 1 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | 1 | 1 | 3 | 4 | 4 | 2 | 4 | 2 | 2 | 2 | 2 | 1 |
| 1 | 1 | 2 | 3 | 4 | 4 | 3 | 4 | 1 | 2 | 3 | 4 | 4 | 3 | 3 | 2 | 2 | 1 | 1 | 2 |
| 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 3 |
| 1 | 2 | 1 | 4 | 3 | 3 | 4 | 4 | 2 | 1 | 4 | 3 | 4 | 3 | 4 | 2 | 2 | 1 | 1 | 1 |
| 1 | 1 | 2 | 4 | 3 | 3 | 3 | 4 | 1 | 2 | 4 | 4 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 2 |
| 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 3 | 3 | 3 |
| 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 1 | 3 | 3 |
| 1 | 2 | 2 | 4 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 3 | 1 | 2 | 3 | 1 | 1 |
| 2 | 2 | 2 | 2 | 4 | 4 | 4 | 3 | 2 | 2 | 4 | 4 | 3 | 4 | 4 | 1 | 1 | 1 | 2 | 2 |
| 1 | 1 | 2 | 3 | 4 | 3 | 4 | 4 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 1 | 1 | 2 | 3 | 2 |
| 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 1 | 3 | 3 |
| 4 | 4 | 2 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 2 | 1 | 3 | 3 | 1 | 4 | 3 | 2 | 3 | 3 |
| 1 | 1 | 1 | 2 | 4 | 3 | 3 | 3 | 2 | 1 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 1 | 2 | 1 |
| 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 4 | 1 | 3 | 4 | 3 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 |
| 1 | 1 | 1 | 4 | 2 | 4 | 4 | 4 | 2 | 1 | 4 | 3 | 4 | 2 | 4 | 2 | 1 | 2 | 1 | 1 |
| 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 1 | 2 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 1 | 4 | 1 | 3 | 4 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 2 | 2 | 1 | 2 | 3 | 2 | 4 | 3 | 2 | 1 | 3 | 3 | 4 | 4 | 3 | 2 | 1 | 1 | 1 | 1 |
| 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 |
| 1 | 1 | 2 | 4 | 4 | 3 | 4 | 3 | 1 | 1 | 4 | 4 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 1 |
| 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 1 | 3 | 4 |
| 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 |
| 1 | 1 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 2 | 4 | 4 | 3 | 4 | 3 | 2 | 1 | 2 | 2 | 1 |
| 1 | 2 | 2 | 4 | 3 | 3 | 4 | 3 | 1 | 1 | 2 | 4 | 4 | 2 | 4 | 3 | 1 | 1 | 1 | 3 |
| 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 1 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 |
| 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 |
| 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 |
| 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 1 | 3 | 4 |
| 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 1 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 1 | 3 | 3 |
| 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 4 | 3 |
| 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 1 | 3 | 4 |
| 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 3 |
| 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 1 | 3 | 3 |
| 3 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 1 | 3 | 3 |
| 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 1 | 3 | 4 |
| 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 2 | 3 | 4 |
| 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 1 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 1 | 4 | 3 |
| 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 1 | 3 | 4 |
| 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 1 | 3 | 4 |
| 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 3 |
| 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 1 | 3 | 4 |
| 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 3 |
| 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 1 | 3 | 3 |
| 3 | 4 | 3 | 1 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 1 | 3 | 4 |
| 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 1 | 3 | 1 | 2 | 4 | 3 | 2 | 1 | 2 | 2 | 3 |
| 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 4 |
| 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 1 | 3 | 3 |
| 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 |
| 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 |
| 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 1 | 1 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 |
| 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 |
| 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 |
| 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 |
| 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 |
| 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 |
| 4 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 |
| 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 |
| 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 |
| 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 |
| 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 |
| 4 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 |
| 4 | 4 | 3 | 3 | 3 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 |
| 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 |
| 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| 4 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 |
| 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 |
| 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 |
| 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 |
| 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 |
| 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 |
| 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 |
| 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 |
| 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 |
| 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 |
| 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 |
| 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 |
| 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 |
| 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 4 | 4 | 4 | 4 |
| 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 |
| 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 |
| 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 |
| 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 1 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 |
| 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 |
| 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 2 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 |
| 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 |
| 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 |
| 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 |
| 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 |
| 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 |
| 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 4 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 |
| 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 |
| 3 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 |
| 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 |
| 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 |
| 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 |
| 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 3 | 2 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 4 |
| 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 |
| 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 |
| 3 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 3 | 3 | 1 | 3 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 3 | 4 | 1 | 4 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| 4 | 3 | 4 | 4 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 |
| 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 |
| 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 |
| 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 |
| 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 |
| 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 |
| 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 |
| 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 |
| 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 4 | 1 | 3 | 3 | 1 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 |
| 3 | 4 | 4 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 1 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 |
| 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 |
| 3 | 3 | 4 | 3 | 3 | 4 | 3 | 1 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 4 | 1 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 |
| 3 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 |
| 3 | 3 | 3 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 |
| 4 | 3 | 3 | 1 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 1 | 3 | 2 |
| 3 | 4 | 3 | 4 | 3 | 3 | 3 | 1 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |
| 3 | 3 | 2 | 3 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 |
| 4 | 4 | 3 | 4 | 4 | 4 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 3 |
| 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 |
| 4 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 |
| 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 3 | 3 | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| 3 | 2 | 3 | 4 | 4 | 3 | 3 | 2 | 3 | 2 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 2 | 3 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 2 | 1 | 3 | 2 |
| 4 | 3 | 3 | 2 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 |
| 4 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 3 | 2 | 2 | 4 | 4 | 4 | 4 | 1 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 1 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 4 |
| 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 1 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 2 | 4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 |
| 3 | 3 | 2 | 4 | 4 | 3 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 2 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 |
| 3 | 2 | 3 | 3 | 4 | 4 | 3 | 1 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 |
| 2 | 1 | 2 | 4 | 4 | 4 | 4 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 |
| 3 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 3 | 3 | 2 | 4 | 4 | 4 | 4 | 1 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 2 | 4 |
| 3 | 2 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 2 | 3 | 3 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 3 | 3 | 2 | 4 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 |
| 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 |
| 3 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 |
| 3 | 3 | 3 | 4 | 3 | 4 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 3 | 4 | 4 | 4 | 1 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 |
| 3 | 2 | 3 | 4 | 3 | 3 | 4 | 1 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 4 | 3 | 1 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 1 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 4 | 3 | 4 |
| 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 1 | 3 |
| 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 3 |
| 3 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 2 | 3 | 4 | 3 | 4 | 4 | 4 | 1 | 3 | 4 | 2 | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 |
| 4 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 4 | 4 | 3 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 |
| 3 | 3 | 4 | 4 | 3 | 4 | 4 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 |
| 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 |
| 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 |
| 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 |
| 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 1 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 |
| 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 |
| 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 |
| 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 |
| 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 |
| 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 1 | 3 | 3 | 4 | 4 | 3 |
| 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 |
| 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 |
| 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 |
| 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 |
| 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 |
| 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 |
| 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 |
| 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 |
| 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 |
| 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 |
| 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 |
| 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 4 |
| 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 |
| 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 |
| 3 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 |
| 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 |
| 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 |
| 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 |
| 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 3 |
| 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 2 | 4 | 3 | 4 | 4 |
| 4 | 3 | 4 | 4 | 3 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 4 | 4 |
| 3 | 2 | 4 | 1 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 |
| 3 | 4 | 3 | 2 | 2 | 1 | 3 | 2 | 4 | 3 | 2 | 2 | 1 | 2 | 2 | 4 | 4 | 3 | 2 | 3 |
| 3 | 3 | 4 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 |
| 3 | 4 | 3 | 1 | 2 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 |
| 3 | 3 | 3 | 2 | 1 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 3 | 4 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 |
| 3 | 4 | 3 | 2 | 4 | 1 | 2 | 4 | 4 | 3 | 4 | 3 | 1 | 1 | 2 | 4 | 3 | 3 | 4 | 4 |
| 3 | 4 | 2 | 2 | 1 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3 | 4 | 4 | 3 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 |
| 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 1 | 3 | 2 | 4 | 2 | 3 | 1 | 3 | 2 | 3 | 4 |
| 3 | 4 | 2 | 2 | 1 | 1 | 3 | 2 | 4 | 4 | 1 | 2 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 4 |
| 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 4 | 2 | 2 | 2 | 3 | 2 | 4 | 3 | 3 | 4 | 3 |
| 3 | 4 | 2 | 1 | 2 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 |
| 3 | 3 | 4 | 2 | 1 | 2 | 2 | 2 | 4 | 4 | 3 | 1 | 3 | 1 | 3 | 4 | 4 | 3 | 3 | 1 |
| 2 | 4 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 4 | 4 |

1. **Tabulasi Data Penelitian Skala Perilaku Menyontek**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PM 1** | **PM 2** | **PM 3** | **PM 4** | **PM 5** | **PM 6** | **PM 7** | **PM 8** | **PM 9** | **PM 10** | **PM 11** | **PM 12** | **PM 13** | **PM 14** | **PM 15** | **PM 16** | **PM 17** | **PM 18** | **PM 19** | **PM 20** | **PM 21** | **PM 22** | **Total** |
| 3 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 1 | 2 | 4 | 1 | 4 | 3 | 1 | 4 | 2 | 4 | 1 | 177 |
| 3 | 2 | 3 | 2 | 2 | 3 | 1 | 4 | 2 | 4 | 4 | 1 | 1 | 3 | 2 | 4 | 3 | 2 | 2 | 3 | 1 | 3 | 154 |
| 1 | 4 | 1 | 4 | 3 | 3 | 3 | 1 | 2 | 4 | 1 | 3 | 4 | 1 | 3 | 3 | 1 | 4 | 2 | 4 | 4 | 3 | 166 |
| 1 | 3 | 1 | 4 | 3 | 1 | 3 | 2 | 1 | 4 | 1 | 4 | 3 | 1 | 4 | 1 | 2 | 3 | 4 | 4 | 3 | 1 | 154 |
| 3 | 2 | 3 | 2 | 1 | 4 | 2 | 3 | 3 | 2 | 4 | 1 | 2 | 2 | 1 | 4 | 4 | 2 | 1 | 3 | 2 | 4 | 156 |
| 1 | 3 | 1 | 4 | 4 | 1 | 2 | 1 | 3 | 4 | 1 | 3 | 4 | 2 | 2 | 3 | 1 | 4 | 4 | 3 | 4 | 3 | 157 |
| 2 | 4 | 1 | 4 | 3 | 2 | 4 | 2 | 2 | 4 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 164 |
| 1 | 4 | 3 | 2 | 3 | 1 | 4 | 1 | 2 | 2 | 2 | 4 | 4 | 3 | 3 | 2 | 1 | 4 | 2 | 4 | 4 | 2 | 152 |
| 1 | 4 | 1 | 3 | 3 | 1 | 4 | 1 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 1 | 1 | 4 | 3 | 3 | 2 | 2 | 157 |
| 1 | 4 | 1 | 2 | 3 | 1 | 4 | 3 | 2 | 4 | 2 | 4 | 4 | 2 | 3 | 1 | 1 | 3 | 3 | 3 | 4 | 1 | 160 |
| 3 | 2 | 4 | 1 | 1 | 3 | 1 | 4 | 4 | 2 | 3 | 2 | 1 | 3 | 1 | 3 | 4 | 1 | 1 | 2 | 1 | 4 | 172 |
| 1 | 3 | 2 | 3 | 4 | 1 | 3 | 3 | 1 | 4 | 2 | 3 | 4 | 1 | 3 | 1 | 1 | 3 | 3 | 3 | 4 | 1 | 150 |
| 1 | 4 | 1 | 3 | 3 | 1 | 3 | 1 | 1 | 4 | 3 | 4 | 4 | 1 | 4 | 2 | 1 | 2 | 4 | 3 | 3 | 2 | 152 |
| 3 | 3 | 3 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 1 | 2 | 2 | 2 | 1 | 4 | 1 | 3 | 2 | 1 | 4 | 144 |
| 2 | 3 | 1 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 1 | 4 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 3 | 3 | 2 | 157 |
| 4 | 1 | 1 | 3 | 1 | 4 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | 4 | 1 | 4 | 4 | 1 | 2 | 1 | 2 | 1 | 188 |
| 1 | 3 | 2 | 4 | 4 | 3 | 3 | 2 | 2 | 4 | 1 | 4 | 4 | 2 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 2 | 159 |
| 2 | 4 | 1 | 3 | 4 | 2 | 4 | 1 | 1 | 3 | 2 | 3 | 4 | 1 | 4 | 2 | 2 | 3 | 3 | 4 | 1 | 2 | 155 |
| 1 | 1 | 1 | 4 | 2 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 4 | 3 | 1 | 1 | 3 | 4 | 199 |
| 2 | 2 | 2 | 3 | 4 | 1 | 3 | 2 | 2 | 3 | 1 | 4 | 4 | 3 | 4 | 1 | 2 | 2 | 4 | 3 | 2 | 1 | 151 |
| 2 | 4 | 1 | 3 | 3 | 2 | 3 | 1 | 1 | 4 | 2 | 4 | 4 | 1 | 2 | 1 | 1 | 2 | 2 | 3 | 3 | 2 | 155 |
| 1 | 3 | 1 | 4 | 4 | 1 | 3 | 2 | 1 | 4 | 2 | 3 | 4 | 1 | 4 | 2 | 2 | 4 | 4 | 4 | 3 | 3 | 162 |
| 1 | 3 | 3 | 3 | 4 | 1 | 3 | 1 | 1 | 3 | 1 | 4 | 3 | 3 | 4 | 1 | 1 | 3 | 4 | 3 | 3 | 2 | 154 |
| 1 | 3 | 2 | 3 | 4 | 1 | 4 | 1 | 3 | 3 | 2 | 3 | 4 | 1 | 4 | 2 | 2 | 3 | 4 | 3 | 3 | 2 | 161 |
| 2 | 3 | 1 | 4 | 4 | 3 | 3 | 2 | 1 | 4 | 1 | 4 | 3 | 2 | 4 | 1 | 1 | 3 | 3 | 4 | 3 | 2 | 157 |
| 2 | 3 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 178 |
| 2 | 4 | 1 | 3 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 2 | 4 | 2 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 2 | 153 |
| 1 | 4 | 1 | 4 | 4 | 1 | 3 | 2 | 1 | 3 | 3 | 4 | 4 | 1 | 3 | 1 | 1 | 3 | 2 | 4 | 4 | 1 | 159 |
| 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 4 | 2 | 3 | 2 | 2 | 1 | 1 | 178 |
| 1 | 4 | 1 | 3 | 4 | 1 | 4 | 2 | 1 | 4 | 3 | 3 | 4 | 1 | 3 | 2 | 1 | 4 | 3 | 4 | 3 | 2 | 159 |
| 1 | 4 | 1 | 1 | 3 | 1 | 4 | 2 | 1 | 4 | 1 | 3 | 4 | 1 | 4 | 2 | 1 | 2 | 4 | 4 | 3 | 2 | 148 |
| 1 | 2 | 1 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 173 |
| 2 | 3 | 1 | 3 | 4 | 2 | 4 | 1 | 3 | 3 | 1 | 3 | 4 | 1 | 4 | 2 | 1 | 3 | 3 | 3 | 4 | 2 | 154 |
| 2 | 3 | 1 | 3 | 3 | 2 | 4 | 2 | 1 | 3 | 1 | 4 | 3 | 2 | 3 | 2 | 1 | 4 | 4 | 4 | 2 | 1 | 148 |
| 1 | 4 | 2 | 2 | 2 | 1 | 4 | 1 | 1 | 4 | 2 | 3 | 2 | 2 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 151 |
| 1 | 3 | 2 | 4 | 4 | 3 | 3 | 1 | 2 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 2 | 4 | 4 | 3 | 4 | 2 | 158 |
| 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 172 |
| 2 | 4 | 1 | 4 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 183 |
| 1 | 4 | 2 | 3 | 3 | 1 | 3 | 1 | 1 | 3 | 1 | 3 | 4 | 1 | 4 | 1 | 1 | 2 | 4 | 4 | 4 | 3 | 156 |
| 1 | 3 | 2 | 4 | 4 | 1 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 186 |
| 3 | 4 | 3 | 4 | 3 | 2 | 2 | 4 | 1 | 4 | 2 | 2 | 4 | 1 | 4 | 1 | 2 | 3 | 4 | 3 | 4 | 2 | 162 |
| 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 170 |
| 3 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 1 | 3 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 141 |
| 2 | 4 | 2 | 3 | 2 | 1 | 3 | 3 | 2 | 4 | 2 | 3 | 4 | 3 | 2 | 1 | 2 | 3 | 3 | 4 | 4 | 1 | 153 |
| 1 | 4 | 2 | 4 | 3 | 1 | 2 | 1 | 1 | 2 | 1 | 4 | 4 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 188 |
| 1 | 3 | 1 | 3 | 3 | 1 | 2 | 1 | 1 | 3 | 2 | 3 | 3 | 1 | 4 | 1 | 2 | 3 | 4 | 4 | 3 | 2 | 153 |
| 1 | 4 | 2 | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 3 | 1 | 189 |
| 1 | 4 | 1 | 3 | 2 | 1 | 3 | 1 | 2 | 3 | 1 | 3 | 2 | 1 | 4 | 1 | 1 | 2 | 3 | 2 | 3 | 2 | 150 |
| 2 | 4 | 1 | 3 | 4 | 1 | 1 | 2 | 2 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 188 |
| 2 | 4 | 1 | 4 | 2 | 2 | 4 | 1 | 1 | 2 | 2 | 3 | 4 | 1 | 3 | 1 | 1 | 4 | 2 | 3 | 1 | 1 | 148 |
| 1 | 4 | 1 | 2 | 3 | 1 | 4 | 2 | 1 | 4 | 2 | 3 | 4 | 1 | 3 | 2 | 1 | 3 | 4 | 4 | 4 | 2 | 158 |
| 1 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 171 |
| 1 | 3 | 1 | 4 | 3 | 2 | 2 | 1 | 2 | 4 | 2 | 4 | 4 | 1 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 159 |
| 1 | 3 | 1 | 3 | 3 | 1 | 4 | 1 | 2 | 4 | 1 | 4 | 4 | 2 | 3 | 1 | 2 | 2 | 4 | 4 | 4 | 2 | 153 |
| 1 | 4 | 1 | 3 | 4 | 3 | 1 | 2 | 2 | 1 | 2 | 1 | 4 | 4 | 4 | 1 | 3 | 2 | 1 | 1 | 2 | 1 | 191 |
| 2 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 174 |
| 1 | 3 | 2 | 4 | 4 | 1 | 3 | 3 | 2 | 2 | 2 | 4 | 4 | 1 | 3 | 1 | 2 | 3 | 4 | 3 | 4 | 1 | 159 |
| 1 | 3 | 1 | 4 | 4 | 3 | 3 | 1 | 2 | 4 | 2 | 3 | 4 | 2 | 4 | 1 | 1 | 4 | 4 | 4 | 4 | 3 | 164 |
| 1 | 3 | 1 | 4 | 3 | 2 | 4 | 2 | 1 | 3 | 1 | 4 | 4 | 1 | 3 | 2 | 1 | 4 | 4 | 3 | 2 | 2 | 157 |
| 2 | 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 170 |
| 4 | 3 | 3 | 2 | 1 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 1 | 4 | 3 | 2 | 2 | 4 | 3 | 3 | 161 |
| 2 | 4 | 1 | 4 | 4 | 3 | 4 | 2 | 3 | 3 | 2 | 2 | 4 | 1 | 4 | 1 | 2 | 4 | 4 | 4 | 4 | 1 | 162 |
| 1 | 2 | 1 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 3 | 2 | 1 | 2 | 2 | 169 |
| 1 | 4 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 180 |
| 1 | 4 | 2 | 2 | 2 | 2 | 4 | 3 | 2 | 4 | 1 | 4 | 3 | 2 | 3 | 1 | 3 | 4 | 4 | 3 | 2 | 2 | 152 |
| 4 | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 1 | 3 | 1 | 2 | 4 | 159 |
| 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 173 |
| 2 | 4 | 1 | 4 | 3 | 1 | 2 | 1 | 2 | 2 | 1 | 4 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 191 |
| 1 | 4 | 1 | 3 | 3 | 2 | 3 | 1 | 1 | 4 | 2 | 3 | 3 | 2 | 4 | 1 | 1 | 4 | 3 | 2 | 4 | 1 | 151 |
| 2 | 3 | 1 | 3 | 3 | 1 | 2 | 2 | 2 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 181 |
| 1 | 3 | 1 | 3 | 3 | 1 | 2 | 2 | 1 | 4 | 2 | 2 | 3 | 2 | 4 | 1 | 1 | 3 | 4 | 3 | 2 | 1 | 153 |
| 2 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 179 |
| 2 | 4 | 2 | 3 | 3 | 1 | 2 | 1 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 189 |
| 1 | 3 | 2 | 4 | 3 | 1 | 3 | 1 | 1 | 3 | 1 | 4 | 4 | 2 | 3 | 1 | 2 | 4 | 3 | 4 | 3 | 2 | 150 |
| 2 | 3 | 1 | 3 | 3 | 3 | 4 | 1 | 2 | 3 | 2 | 4 | 3 | 1 | 3 | 2 | 2 | 4 | 4 | 4 | 4 | 2 | 161 |
| 1 | 4 | 1 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 179 |
| 2 | 1 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 2 | 170 |
| 2 | 3 | 1 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 178 |
| 1 | 2 | 1 | 4 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 170 |
| 2 | 2 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 171 |
| 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 168 |
| 1 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 169 |
| 2 | 2 | 1 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 172 |
| 2 | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 177 |
| 2 | 1 | 2 | 4 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 174 |
| 1 | 2 | 1 | 4 | 2 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 172 |
| 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 171 |
| 1 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 3 | 2 | 1 | 2 | 1 | 166 |
| 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 1 | 2 | 1 | 178 |
| 1 | 2 | 1 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 169 |
| 2 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 174 |
| 2 | 2 | 1 | 4 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 178 |
| 2 | 1 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 4 | 2 | 1 | 2 | 2 | 175 |
| 2 | 1 | 2 | 4 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 171 |
| 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 1 | 172 |
| 2 | 2 | 1 | 3 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 2 | 1 | 1 | 2 | 173 |
| 2 | 2 | 1 | 3 | 2 | 4 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 1 | 1 | 173 |
| 2 | 1 | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 2 | 163 |
| 2 | 1 | 2 | 4 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 1 | 174 |
| 2 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 2 | 1 | 1 | 1 | 167 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 177 |
| 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 174 |
| 1 | 2 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 165 |
| 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 3 | 2 | 175 |
| 2 | 2 | 2 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 4 | 150 |
| 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 173 |
| 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 170 |
| 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 174 |
| 1 | 1 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 181 |
| 1 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 2 | 3 | 148 |
| 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 171 |
| 2 | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 4 | 160 |
| 2 | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 181 |
| 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 173 |
| 2 | 1 | 2 | 4 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 159 |
| 1 | 1 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 175 |
| 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 173 |
| 3 | 1 | 1 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 151 |
| 1 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 4 | 1 | 2 | 3 | 162 |
| 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 174 |
| 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 172 |
| 2 | 1 | 1 | 4 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 3 | 164 |
| 4 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 4 | 1 | 2 | 3 | 160 |
| 3 | 1 | 1 | 1 | 3 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 175 |
| 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 135 |
| 1 | 1 | 2 | 4 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 3 | 2 | 1 | 4 | 150 |
| 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 138 |
| 1 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 4 | 2 | 1 | 3 | 154 |
| 1 | 1 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 177 |
| 3 | 3 | 4 | 4 | 3 | 1 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 120 |
| 3 | 3 | 3 | 4 | 4 | 1 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 1 | 133 |
| 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 169 |
| 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 1 | 1 | 1 | 2 | 3 | 3 | 124 |
| 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 136 |
| 3 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 184 |
| 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 135 |
| 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 2 | 134 |
| 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 135 |
| 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 135 |
| 3 | 1 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 169 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 169 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 174 |
| 3 | 1 | 2 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 164 |
| 3 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 177 |
| 4 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 174 |
| 4 | 1 | 2 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 179 |
| 4 | 1 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 176 |
| 2 | 1 | 1 | 4 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 181 |
| 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 177 |
| 1 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 176 |
| 1 | 2 | 1 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 178 |
| 4 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 174 |
| 2 | 1 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 173 |
| 3 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 176 |
| 1 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 177 |
| 2 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 170 |
| 4 | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 4 | 1 | 131 |
| 2 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 179 |
| 4 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 175 |
| 2 | 1 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 183 |
| 3 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 176 |
| 1 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 175 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 173 |
| 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 177 |
| 4 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 175 |
| 1 | 2 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 182 |
| 4 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 174 |
| 3 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 174 |
| 3 | 3 | 3 | 2 | 3 | 1 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 1 | 3 | 4 | 1 | 2 | 4 | 4 | 4 | 188 |
| 3 | 2 | 2 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 179 |
| 4 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 175 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 171 |
| 3 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 175 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 175 |
| 4 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 172 |
| 3 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 173 |
| 3 | 1 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 173 |
| 4 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 176 |
| 3 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 171 |
| 3 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 171 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 169 |
| 4 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 174 |
| 1 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 4 | 1 | 1 | 4 | 157 |
| 4 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 178 |
| 1 | 1 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 158 |
| 1 | 1 | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 1 | 4 | 154 |
| 4 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 178 |
| 2 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 4 | 156 |
| 3 | 2 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 178 |
| 4 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 179 |
| 4 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 177 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 170 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 170 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 176 |
| 4 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 179 |
| 1 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 3 | 1 | 1 | 2 | 1 | 4 | 176 |
| 3 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 168 |
| 3 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 172 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 168 |
| 4 | 2 | 1 | 4 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 176 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 177 |
| 3 | 3 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 3 | 1 | 3 | 2 | 1 | 3 | 175 |
| 3 | 2 | 2 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 174 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 178 |
| 3 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 178 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 173 |
| 2 | 1 | 2 | 4 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 1 | 1 | 3 | 156 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 166 |
| 2 | 2 | 1 | 3 | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 156 |
| 2 | 2 | 1 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 4 | 165 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 172 |
| 3 | 1 | 2 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 172 |
| 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 166 |
| 3 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 176 |
| 3 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 175 |
| 3 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 174 |
| 3 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 172 |
| 3 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 169 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 168 |
| 3 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 166 |
| 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 172 |
| 4 | 1 | 1 | 4 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 171 |
| 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 169 |
| 3 | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 173 |
| 3 | 2 | 1 | 4 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 172 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 170 |
| 3 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 176 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 175 |
| 3 | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 171 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 170 |
| 3 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 177 |
| 3 | 2 | 1 | 3 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 168 |
| 3 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 174 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 173 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 3 | 173 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 3 | 176 |
| 2 | 2 | 2 | 3 | 1 | 2 | 1 | 3 | 4 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 3 | 2 | 1 | 4 | 156 |
| 2 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 3 | 153 |
| 2 | 1 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 3 | 1 | 2 | 4 | 162 |
| 3 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 4 | 159 |
| 3 | 2 | 2 | 4 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 166 |
| 3 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 4 | 2 | 2 | 4 | 159 |
| 2 | 1 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 2 | 3 | 160 |
| 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 178 |
| 2 | 2 | 1 | 4 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 3 | 155 |
| 1 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 161 |
| 1 | 2 | 2 | 4 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 3 | 156 |
| 1 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 156 |
| 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 171 |
| 1 | 1 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 4 | 2 | 2 | 4 | 160 |
| 2 | 2 | 2 | 4 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 4 | 3 | 2 | 4 | 160 |
| 1 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 3 | 152 |
| 2 | 3 | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 162 |
| 2 | 1 | 2 | 3 | 4 | 2 | 2 | 1 | 1 | 3 | 1 | 4 | 4 | 2 | 3 | 2 | 1 | 2 | 4 | 1 | 1 | 4 | 164 |
| 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 179 |
| 2 | 2 | 1 | 1 | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 177 |
| 4 | 1 | 4 | 3 | 1 | 1 | 3 | 1 | 3 | 3 | 4 | 3 | 1 | 1 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 159 |
| 4 | 3 | 3 | 1 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 184 |
| 2 | 2 | 1 | 4 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 3 | 1 | 2 | 3 | 160 |
| 2 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 2 | 3 | 153 |
| 1 | 1 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 4 | 159 |
| 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 2 | 1 | 3 | 162 |
| 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 3 | 151 |
| 2 | 1 | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | 3 | 3 | 1 | 3 | 167 |
| 1 | 2 | 1 | 4 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 4 | 1 | 2 | 3 | 151 |
| 1 | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 158 |
| 2 | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 4 | 2 | 2 | 4 | 156 |
| 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 4 | 159 |
| 1 | 2 | 2 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 4 | 1 | 3 | 3 | 156 |
| 2 | 2 | 2 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 3 | 3 | 3 | 4 | 160 |
| 2 | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 3 | 2 | 2 | 3 | 165 |
| 1 | 2 | 2 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 147 |
| 1 | 1 | 2 | 3 | 3 | 1 | 3 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | 4 | 1 | 2 | 3 | 165 |
| 1 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 2 | 3 | 1 | 1 | 2 | 4 | 2 | 3 | 4 | 168 |
| 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 163 |
| 2 | 1 | 1 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | 4 | 153 |
| 2 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 1 | 1 | 3 | 154 |
| 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 4 | 157 |
| 1 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 3 | 154 |
| 1 | 2 | 1 | 4 | 3 | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 4 | 2 | 1 | 3 | 158 |
| 1 | 3 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 3 | 166 |
| 1 | 1 | 1 | 3 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 2 | 3 | 154 |
| 1 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 3 | 159 |
| 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 4 | 2 | 2 | 4 | 155 |
| 1 | 2 | 2 | 4 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 3 | 4 | 1 | 1 | 4 | 167 |
| 1 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 169 |
| 2 | 2 | 1 | 4 | 3 | 2 | 2 | 1 | 1 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 3 | 162 |
| 1 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 4 | 1 | 1 | 4 | 157 |
| 1 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 163 |
| 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 4 | 159 |
| 1 | 2 | 2 | 4 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 3 | 166 |
| 1 | 2 | 2 | 4 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 3 | 1 | 1 | 4 | 162 |
| 2 | 2 | 1 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 3 | 150 |
| 2 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 1 | 4 | 165 |
| 1 | 2 | 1 | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 1 | 4 | 154 |
| 1 | 3 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 3 | 151 |
| 2 | 1 | 2 | 3 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 3 | 4 | 145 |
| 2 | 1 | 1 | 4 | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 162 |
| 1 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 3 | 2 | 1 | 3 | 162 |
| 2 | 2 | 1 | 4 | 3 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 157 |
| 3 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 183 |
| 3 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 3 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 175 |
| 3 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 175 |
| 4 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 3 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 179 |
| 3 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 173 |
| 3 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 175 |
| 3 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 171 |
| 4 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 172 |
| 4 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 175 |
| 3 | 2 | 1 | 4 | 1 | 1 | 2 | 2 | 4 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 182 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 174 |
| 4 | 2 | 1 | 4 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 177 |
| 4 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 180 |
| 4 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 176 |
| 4 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 176 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 183 |
| 4 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 181 |
| 4 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 180 |
| 3 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 180 |
| 3 | 1 | 2 | 4 | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 180 |
| 4 | 2 | 1 | 3 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 182 |
| 4 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 177 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 175 |
| 4 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 182 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 175 |
| 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 181 |
| 3 | 1 | 1 | 4 | 1 | 1 | 2 | 1 | 4 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 187 |
| 4 | 2 | 1 | 3 | 1 | 2 | 1 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 183 |
| 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 172 |
| 4 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 4 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 185 |
| 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 175 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 172 |
| 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 172 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 172 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 171 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 163 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 174 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 173 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 175 |
| 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 170 |
| 1 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 179 |
| 4 | 1 | 3 | 3 | 1 | 2 | 1 | 3 | 3 | 1 | 3 | 4 | 2 | 2 | 4 | 3 | 2 | 3 | 2 | 3 | 1 | 3 | 196 |
| 1 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 4 | 184 |
| 3 | 4 | 3 | 1 | 1 | 2 | 2 | 4 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 4 | 3 | 1 | 3 | 1 | 2 | 2 | 181 |
| 3 | 1 | 4 | 3 | 2 | 3 | 1 | 2 | 2 | 1 | 4 | 1 | 2 | 3 | 3 | 4 | 3 | 1 | 4 | 1 | 2 | 3 | 184 |
| 2 | 2 | 4 | 3 | 1 | 3 | 2 | 4 | 3 | 1 | 3 | 1 | 2 | 3 | 2 | 3 | 4 | 2 | 1 | 1 | 1 | 3 | 159 |
| 4 | 1 | 3 | 3 | 1 | 3 | 2 | 4 | 3 | 2 | 4 | 1 | 1 | 2 | 1 | 3 | 4 | 2 | 2 | 3 | 1 | 4 | 168 |
| 4 | 1 | 4 | 3 | 2 | 3 | 2 | 4 | 3 | 1 | 4 | 1 | 1 | 3 | 2 | 3 | 2 | 1 | 2 | 1 | 3 | 3 | 193 |
| 3 | 1 | 3 | 2 | 1 | 1 | 2 | 4 | 2 | 2 | 4 | 2 | 1 | 2 | 3 | 4 | 3 | 2 | 2 | 2 | 2 | 4 | 192 |
| 3 | 1 | 1 | 3 | 3 | 4 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 | 2 | 2 | 1 | 3 | 190 |
| 3 | 1 | 3 | 3 | 2 | 2 | 1 | 3 | 4 | 1 | 3 | 2 | 1 | 4 | 2 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 184 |
| 3 | 3 | 4 | 1 | 1 | 4 | 3 | 2 | 3 | 1 | 3 | 1 | 2 | 2 | 1 | 4 | 4 | 1 | 2 | 2 | 1 | 4 | 178 |
| 2 | 2 | 4 | 1 | 1 | 2 | 1 | 4 | 3 | 1 | 3 | 2 | 2 | 4 | 2 | 4 | 3 | 1 | 2 | 3 | 2 | 3 | 163 |
| 2 | 1 | 4 | 2 | 1 | 3 | 1 | 4 | 3 | 1 | 4 | 1 | 1 | 4 | 2 | 4 | 4 | 1 | 3 | 2 | 2 | 4 | 190 |
| 2 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 1 | 3 | 2 | 2 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 162 |
| 3 | 1 | 4 | 2 | 2 | 3 | 1 | 3 | 3 | 3 | 3 | 2 | 2 | 4 | 2 | 4 | 1 | 4 | 2 | 2 | 4 | 3 | 166 |
| 3 | 1 | 3 | 3 | 2 | 4 | 1 | 3 | 4 | 2 | 2 | 1 | 1 | 3 | 1 | 4 | 4 | 1 | 2 | 1 | 2 | 4 | 141 |
| 1 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 4 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 4 | 171 |
| 4 | 1 | 2 | 1 | 1 | 4 | 2 | 4 | 2 | 1 | 3 | 1 | 1 | 3 | 2 | 3 | 4 | 1 | 1 | 1 | 1 | 3 | 144 |
| 3 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 4 | 1 | 4 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 147 |

1. **Hasil Analisi JASP**
2. **Validitas dan Reliabilitas Skala Motivasi Belajar**

Validitas

|  |  |  |
| --- | --- | --- |
| **PEARSON’S CORRELATION** | | |
|  | **p** | **kesimpulan** |
| 1 | 0.450 | VALID |
| 2 | 0.381 | VALID |
| 3 | 0.303 | VALID |
| 4 | 0.518 | VALID |
| 5 | 0.873 | VALID |
| 6 | 0.608 | VALID |
| 7 | 0.571 | VALID |
| 8 | 0.461 | VALID |
| 9 | 0.538 | VALID |
| 10 | 0.763 | VALID |
| 11 | 0.710 | VALID |
| 12 | 0.357 | VALID |
| 13 | 0.678 | VALID |
| 14 | 0.451 | VALID |
| 15 | 0.467 | VALID |
| 16 | 0.621 | VALID |
| 17 | 0.307 | VALID |
| 18 | 0.382 | VALID |
| 19 | 0.612 | VALID |
| 20 | 0.505 | VALID |

| **Frequentist Scale Reliability Statistics** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Estimate** | | **McDonald's ω** | | **Cronbach's α** | |
| Point estimate |  | 0.825 |  | 0.820 |  |
| 95% CI lower bound |  | 0.747 |  | 0.727 |  |
| 95% CI upper bound |  | 0.903 |  | 0.887 |  |
|  | | | | | |
| *Note.*  The following items correlated negatively with the scale: MB 10, MB 20. | | | | | |

Reliabilitas

1. **Validitas dan Reliabilitas Skala Student Engagement**

Validitas

|  |  |  |
| --- | --- | --- |
| **PEARSON’S CORRELATION** | | |
|  | **p** | **kesimpulan** |
| 1 | 0.469 | VALID |
| 2 | 0.397 | VALID |
| 3 | 0.347 | VALID |
| 4 | 0.569 | VALID |
| 5 | 0.600 | VALID |
| 6 | 0.537 | VALID |
| 7 | 0.466 | VALID |
| 8 | 0.502 | VALID |
| 9 | 0.574 | VALID |
| 10 | 0.492 | VALID |
| 11 | 0.514 | VALID |
| 12 | 0.540 | VALID |
| 13 | 0.521 | VALID |
| 14 | 0.685 | VALID |
| 15 | 0.677 | VALID |
| 16 | 0.415 | VALID |
| 17 | 0.395 | VALID |
| 18 | 0.496 | VALID |
| 19 | 0.552 | VALID |
| 20 | 0.544 | VALID |

| **Frequentist Scale Reliability Statistics** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Estimate** | | **McDonald's ω** | | **Cronbach's α** | |
| Point estimate |  | NaN |  | 0.723 |  |
| 95% CI lower bound |  | NaN |  | 0.709 |  |
| 95% CI upper bound |  | NaN |  | 0.750 |  |
|  | | | | | |
|  | | | | | |

Reliabilitas

1. **Validitas dan Reliabilitas Skala Perilaku Menyontek**

Validitas

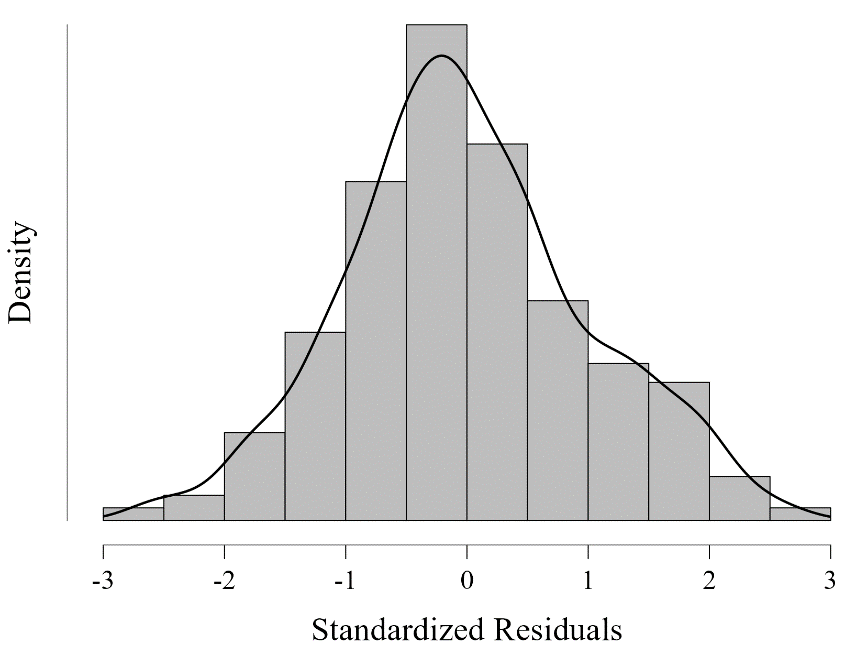
|  |  |  |
| --- | --- | --- |
| **PEARSON’S CORRELATION** | | |
|  | **p** | **kesimpulan** |
| 1 | 0.577 | VALID |
| 2 | 0.652 | VALID |
| 3 | 0.499 | VALID |
| 4 | 0.362 | VALID |
| 5 | 0.547 | VALID |
| 6 | 0.337 | VALID |
| 7 | 0.690 | VALID |
| 8 | 0.491 | VALID |
| 9 | 0.596 | VALID |
| 10 | 0.761 | VALID |
| 11 | 0.465 | VALID |
| 12 | 0.722 | VALID |
| 13 | 0.475 | VALID |
| 14 | 0.353 | VALID |
| 15 | 0.731 | VALID |
| 16 | 0.470 | VALID |
| 17 | 0.488 | VALID |
| 18 | 0.709 | VALID |
| 19 | 0.688 | VALID |
| 20 | 0.704 | VALID |
| 21 | 0.744 | VALID |
| 22 | 0.600 | VALID |

Reliabilitas

| **Estimate** | | **McDonald's ω** | | **Cronbach's α** | |
| --- | --- | --- | --- | --- | --- |
| Point estimate |  | NaN |  | 0.751 |  |
| 95% CI lower bound |  | NaN |  | 0.748 |  |
| 95% CI upper bound |  | NaN |  | 0.767 |  |
|  | | | | | |
| *Note.*   Omega calculation with CFA failed. Try changing to PFA in Advanced Options | | | | | |

1. **Uji Normalitas**

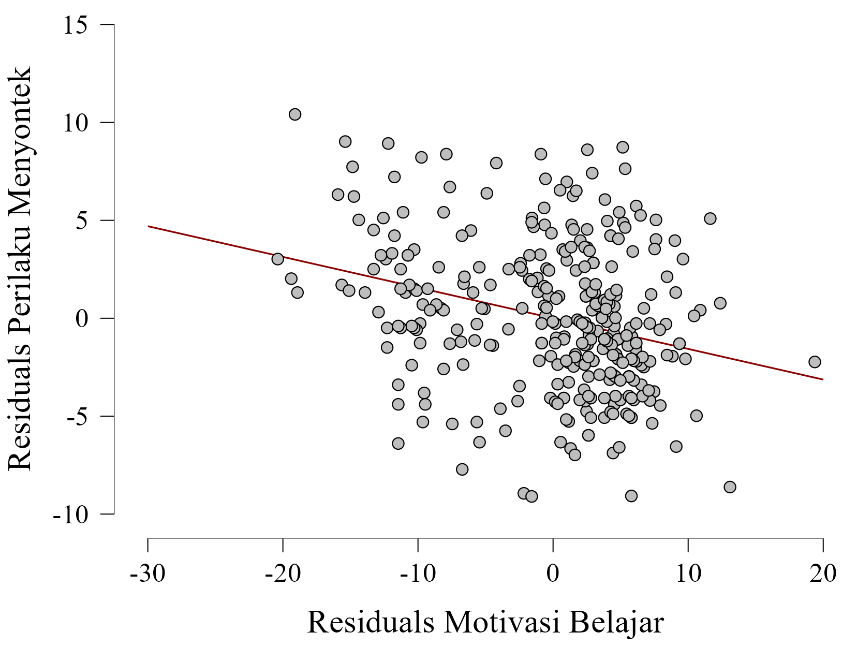
Grafik 1 Uji Normalitas



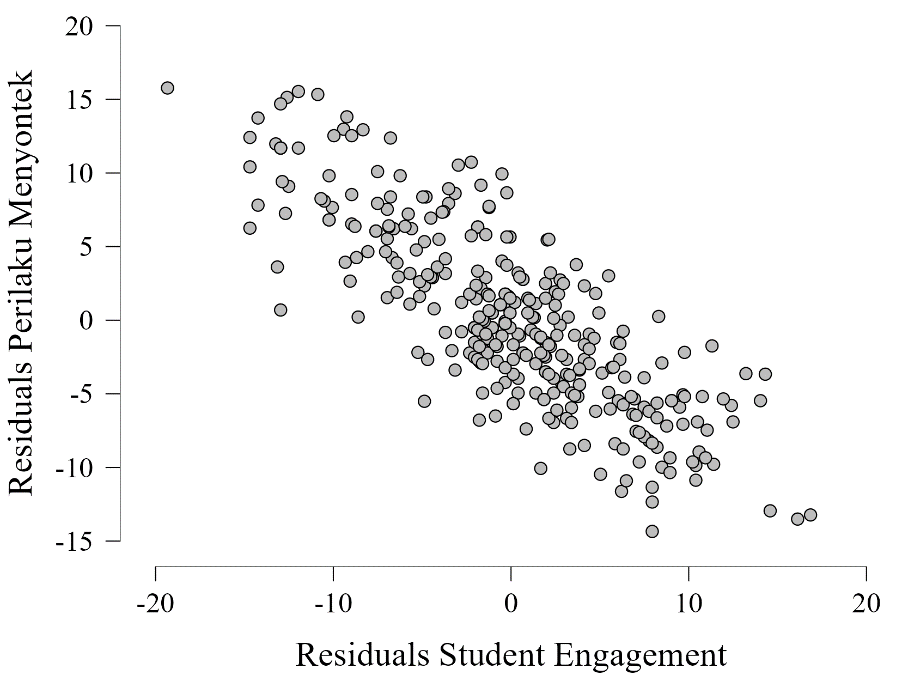
Hasil uji normalitas data menunjukkan hasil residual data terdistribusi secara normal. Hal ini dapat dilihat dari sebaran diagram batang yang paling tinggi berada ditengah, dan curva yang terbentuk menyerupai bentuk lonceng dan titik paling tinggi berada ditengah. Maka bedasarkan data tersebut maka uji asumsi normalitas telah terpenuhi.

1. **Uji Linearitas**

Grafik 2 Grafik Linearitas Motivasi Belajar dengan Perilaku Menyontek



Grafik 3 Grafik Linearitas Student engagement dengan Perilaku menyontek



Selanjutnya hasil uji linearitas menunjukkan bahwa terdapat hubungan linear antara motivasi belajar dan *student engagement* terhadap perilaku menyontek. Hasil ini diperoleh dari grafik *scatter plot* data yang menyebar mendekati garis linear yang condong kebawah dan juga titik-titik data yang jika jika ditarik garis melingkar akan membentuk bentuk elips. Bedasarkan hasil tersebut maka dapat disimpulkan bahwa data telah memenuhi asumsi linearitas.

1. **Uji Multikolinearitas**

|  |  |  |
| --- | --- | --- |
| Variabel | **Tolerance** | **VIF** |
| Motivasi Belajar | 0.404 | 2.478 |
| Student Engagement | 0.404 | 2.478 |

Hasil uji multikolinearitas menunjukkan bahwa data telah memenuhi asumsi multikolinearitas karena hasil VIF <10 (VIF=2.478). Bedasarkan hasil tersebut maka data penelitian dapat dikatakan telah lolos uji asumsi sehingga selanjutnya dapat dilanjutkan pada uji hipotetik.

1. **Uji Korelasi Pearson**

|  |  |  |
| --- | --- | --- |
| Variables | Pearson's r | p-value |
| Motivasi Belajar- Perilaku Menyontek | -0.783 | < .001 |
| Student Engagement- Perilaku Menyontek | -0.925 | < .001 |

Hasil uji korelasi pearson menunjukkan bahwa terdapat hubungan negatif yang signifikan antara motivasi belajar dengan perilaku menyontek (*r=-783, p-value<0,001)* dan *student engagement* dan perilaku menyontek (*r=-925, p-value<0,001)*. Hasil ini menandakan bahwa semakin tinggi motivasi belajar dan *student engagement* dari siswa maka akan semakin rendah tingkatan perilaku menyontek yang akan ditunjukkan.

1. **Uji Regresi Linear Berganda**

|  | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | |  | | Sum of Squares | | df | | Mean Square | | F | p-value | |
| H₁ |  | Regression |  | 27588.673 |  | 2 |  | 13794.336 |  | 1087.985 |  | < .001 |  |
|  |  | Residual |  | 4196.680 |  | 331 |  | 12.679 |  |  |  |  |  |
|  |  | Total |  | 31785.353 |  | 333 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

Hasil uji regresi linear berganda menunjukkan bahwa model hubungan antara motivasi belajar dengan *student engagement* dapat memberikan dampak yang signifikan kepada perilaku menyontek. Hal ini didasarkan pada hasil Fhitung (*f=1087.985, p-value<0,001)*yang lebih tinggi daripada FTabel (*f=1087.985, p-value<0,001)*. Hasil ini menandakan bahwa hipotesis penelitian yaitu terdapat hubungan dan dampak antara motivasi belajar dan *student engagement* terhadap perilaku menyontek terbukti benar sehingga hipotesis dapat diterima.

1. **Sumbangan Efektif**

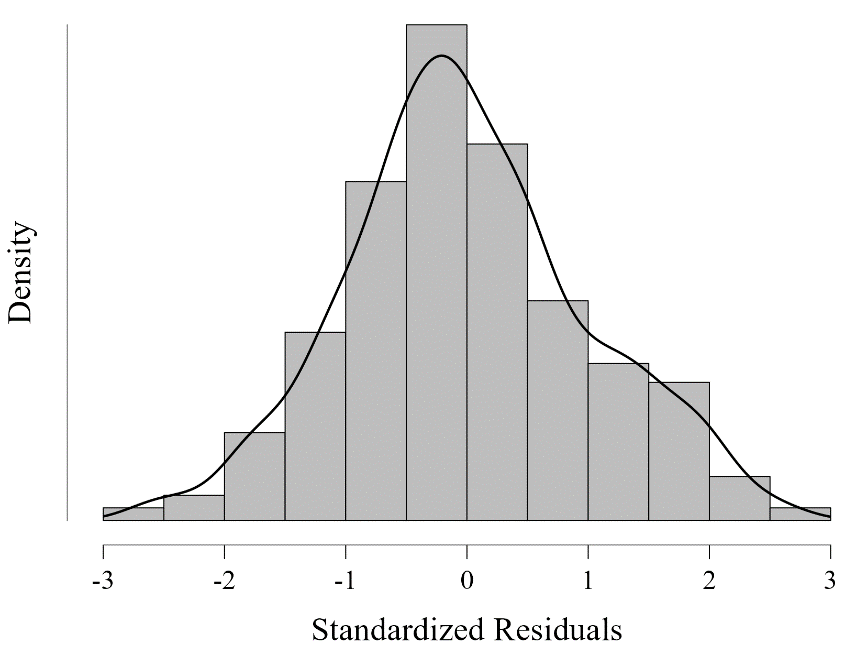
| Model | | R | | R² | | Adjusted R² | | RMSE | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| H₀ |  | 0.000 |  | 0.000 |  | 0.000 |  | 9.770 |  |
| H₁ |  | 0.932 |  | 0.868 |  | 0.867 |  | 3.561 |  |
|  | | | | | | | | | |

Selanjutnya sumbangan efektif yang diberikan oleh motivasi belajar dan *student engagement* kepada perilaku menyontek sebesar adalah 86,8% (*R²*=0.868. Hal ini menandakan bahwa sebanyak 13,2% perilaku menyontek pada sampel penelitian dijelaskan oleh hal lain yang berada diluar variabel motivasi belajar dan *student engagement*.

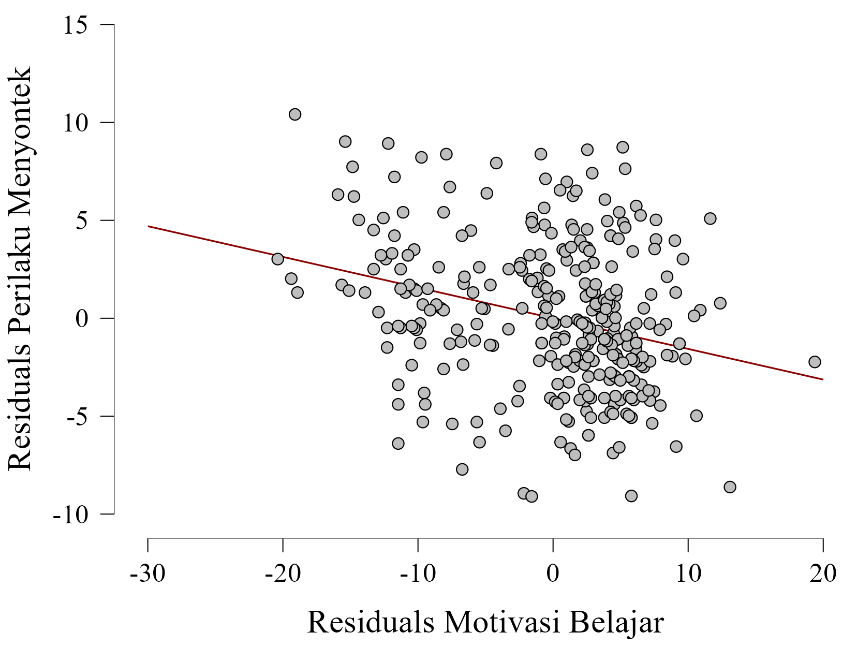
1. **Kategorisasi data**

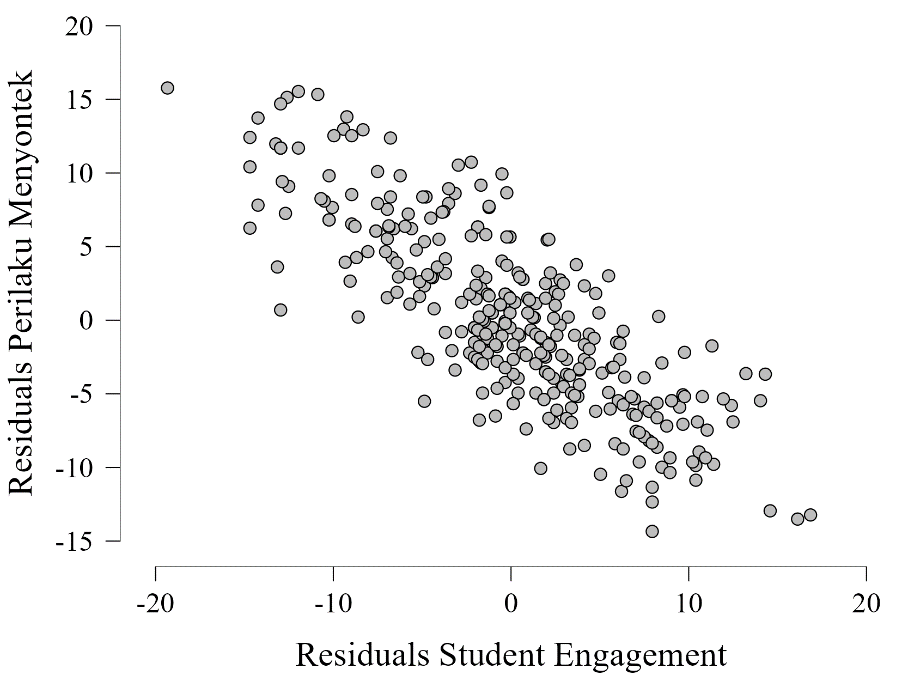
|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| Kategori | Rentangan | Jumlah Sampel | Persentase |
| Sangat Tinggi | >56 | 30 | 8,98% |
| Tinggi | 56-46 | 49 | 14,67% |
| Menengah | 45-37 | 125 | 37,43% |
| Rendah | 36-27 | 130 | 38,92% |
| Sangat Rendah | <27 | 0 | 0,00% |

Hasil kategorisasi data pada perilaku menyontek menunjukkan bahwa sebanyak 130 sampel atau sebanyak 23,65% bagian dari sampel penelitian memiliki tingkatan perilaku menyontek yang cukup tinggi jika dibandingkan dengan sesame sampel penelitian. Hasil ini menandakan perilaku menyontek masih menjadi hal yang relevan untuk diteliti lebih lanjut.



1. **Uji Linieritas**





1. **Uji Hipotesis**

|  |  |  |
| --- | --- | --- |
| Variables | Pearson's r | p-value |
| Motivasi Belajar- Perilaku Menyontek | -0.783 | < .001 |
| Student Engagement- Perilaku Menyontek | -0.925 | < .001 |

1. **R Square**

| Model | | R | | R² | | Adjusted R² | | RMSE | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| H₀ |  | 0.000 |  | 0.000 |  | 0.000 |  | 9.770 |  |
| H₁ |  | 0.932 |  | 0.868 |  | 0.867 |  | 3.561 |  |
|  | | | | | | | | | |

1. **Uji Multikolinieritas**

|  |  |  |
| --- | --- | --- |
| Variabel | Tolerance | VIF |
| Motivasi Belajar | 0.404 | 2.478 |
| Student Engagement | 0.404 | 2.478 |