**DATA NILAI SISWA PRETEST**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Nama** |  |  |  |  |  |  |  | **No** | **Soal** |  |  |  |  |  |  | **Jumlah** |
|  |  | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. |  |
| 1. | AIPA | P | P | M | M | M | P | T | P | P | M | M | P | T | M | M | ×100%= 46% |
| 2. | AHH | P | M | M | P | M | P | T | M | T | M | M | T | M | T | M | ×100%= 53% |
| 3. | AAKW | P | P | P | P | P | T | T | P | T | M | M | M | T | M | M | ×100%= 33% |
| 4. | ASPA | P | P | P | T | P | T | M | P | M | M | T | P | T | M | M | ×100%= 33% |
| 5. | DAI | P | M | T | T | P | M | M | M | T | P | M | T | T | T | T | ×100%= 33% |
| 6. | FSA | P | T | T | T | P | T | T | M | M | T | M | M | T | P | M | ×100%= 33% |
| 7. | FFH | P | P | T | M | P | M | T | M | T | M | T | M | T | P | M | ×100%= 40% |
| 8. | FAN | P | T | T | M | T | M | M | M | T | T | T | M | M | M | P | ×100%= 46% |
| 9. | FAA | P | P | M | T | P | M | T | M | T | M | T | M | T | T | M | ×100%= 40% |
| 10. | GHT | P | P | P | T | P | M | M | P | T | M | T | T | T | T | T | ×100%= 20% |
| 11. | KAH | P | P | P | M | P | T | M | M | T | P | T | M | T | T | M | ×100%= 33% |
| 12. | KNS | P | P | M | M | T | P | T | P | T | M | P | M | T | T | T | ×100%= 26% |
| 13. | MSM | P | P | M | P | P | T | M | M | T | P | M | M | M | M | P | ×100%= 46% |
| 14. | MA | P | P | T | P | P | T | M | M | T | M | M | M | M | T | P | ×100%= 40% |
| 15. | MFA | M | M | T | M | P | M | M | P | T | M | T | M | T | M | M | ×100%= 60% |
| 16. | MRSW | P | P | M | P | P | T | M | M | T | M | M | T | T | T | T | ×100%= 33% |
| 17 | NRAK | P | M | T | T | M | P | P | M | T | M | T | P | T | P | M | ×100%= 33% |
| 18. | NFPA | P | P | M | T | P | P | T | P | P | P | T | P | M | P | M | ×100%= 20% |
| 19. | NRR | P | P | P | M | P | P | T | P | M | P | M | P | M | P | M | ×100%= 33% |
| 20. | PAN | P | P | M | M | T | P | T | P | T | M | T | M | M | T | T | ×100%= 33% |
| 21. | RMNA | P | P | T | T | M4 | P | T | M | M | T | P | T | P | T | T | ×100%= 20% |
| 22. | SDA | P | M | P | T | P | T | M | P | T | M | T | M | T | T | T | ×100%= 26% |
| 23. | SAN | P | P | P | T | P | T | M | P | M | M | T | P | T | M | M | ×100%= 33% |

**DATA NILAI SISWA PRETEST**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Nama** |  |  |  |  |  |  |  | **No** | **Soal** |  |  |  |  |  |  | **Jumlah** |
|  |  | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. |  |
| 1. | AIPA | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | ×100= 40 |
| 2. | AHH | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ×100= 20 |
| 3. | AAKW | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ×100= 40 |
| 4. | ASPA | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | ×100= 40 |
| 5. | DAI | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ×100= 20 |
| 6. | FSA | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | ×100= 20 |
| 7. | FFH | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | ×100= 27 |
| 8. | FAN | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ×100= 20 |
| 9. | FAA | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ×100= 27 |
| 10. | GHT | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ×100= 33 |
| 11. | KAH | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ×100= 33 |
| 12. | KNS | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | ×100= 33 |
| 13. | MSM | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | ×100= 40 |
| 14. | MA | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ×100= 33 |
| 15. | MFA | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ×100= 27 |
| 16. | MRSW | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ×100= 33 |
| 17 | NRAK | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | ×100= 33 |
| 18. | NFPA | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | ×100= 60 |
| 19. | NRR | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | ×100= 60 |
| 20. | PAN | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ×100= 27 |
| 21. | RMNA | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | ×100= 33 |
| 22. | SDA | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | ×100= 33 |
| 23. | SAN | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | ×100= 40 |
|  | Jumlah |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 772 |

**DATA NILAI SISWA POSTTEST**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Nama** |  |  |  |  |  |  |  | **No** | **Soal** |  |  |  |  |  |  | **Jumlah** |
|  |  | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. |  |
| 1. | AIPA | P | P | P | P | M | P | M | M | P | M | M | P | M | P | P | ×100%= 40% |
| 2. | AHH | P | P | M | M | M | P | M | P | M | P | M | M | T | T | P | ×100%= 46% |
| 3. | AAKW | P | P | P | M | P | P | P | P | P | M | M | M | P | M | T | ×100%= 33% |
| 4. | ASPA | P | P | P | T | M | P | M | M | P | M | M | M | P | P | P | ×100%= 40% |
| 5. | DAI | P | P | M | M | M | P | M | P | M | P | P | M | M | M | P | ×100%= 53% |
| 6. | FSA | P | P | M | P | M | P | M | P | M | M | P | T | P | P | M | ×100%= 40% |
| 7. | FFH | P | P | P | T | M | P | T | P | P | M | M | P | P | M | P | ×100%= 26% |
| 8. | FAN | P | P | P | P | M | P | M | P | T | P | P | M | P | M | P | ×100%= 26% |
| 9. | FAA | M | P | M | M | T | P | P | M | P | P | M | P | P | P | M | ×100%= 40% |
| 10. | GHT | P | P | P | M | M | P | P | M | P | M | P | P | T | P | P | ×100%= 26% |
| 11. | KAH | P | P | M | P | M | P | M | M | P | P | P | M | P | M | P | ×100%= 40% |
| 12. | KNS | P | P | P | T | M | P | P | P | T | P | M | T | P | M | P | ×100%= 20% |
| 13. | MSM | P | P | M | M | M | P | P | P | M | P | P | M | T | M | P | ×100%= 40% |
| 14. | MA | P | P | P | T | M | M | P | P | M | P | P | M | M | P | P | ×100%= 33% |
| 15. | MFA | P | P | M | P | M | P | P | P | M | P | P | T | M | M | T | ×100%= 33% |
| 16. | MRSW | P | P | P | T | M | P | P | P | M | M | M | P | P | P | T | ×100%= 26% |
| 17 | NRAK | P | P | M | M | M | M | P | P | P | M | M | T | P | T | T | ×100%= 40% |
| 18. | NFPA | P | P | P | P | P | P | P | P | P | M | P | M | M | M | P | ×100%= 26% |
| 19. | NRR | P | P | M | P | M | P | M | P | P | P | P | M | P | P | P | ×100%= 26% |
| 20. | PAN | P | P | P | T | M | P | P | P | M | M | M | M | M | P | P | ×100%= 40% |
| 21. | RMNA | P | P | P | M | M | P | M | P | M | M | M | T | P | M | P | ×100%= 46% |
| 22. | SDA | P | P | M | M | T | P | P | M | P | M | P | T | T | M | M | ×100%= 40% |
| 23. | SAN | P | P | P | P | M | P | P | M | P | M | M | M | P | P | P | ×100%= 33% |

**DATA NILAI SISWA POSTTEST**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Nama** |  |  |  |  |  |  |  | **No** | **Soal** |  |  |  |  |  |  | **Jumlah** |
|  |  | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. |  |
| 1. | AIPA | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | ×100= 60 |
| 2. | AHH | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | ×100= 40 |
| 3. | AAKW | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | ×100= 60 |
| 4. | ASPA | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | ×100= 53 |
| 5. | DAI | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | ×100= 47 |
| 6. | FSA | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | ×100= 53 |
| 7. | FFH | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | ×100= 60 |
| 8. | FAN | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | ×100= 67 |
| 9. | FAA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | ×100= 53 |
| 10. | GHT | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | ×100= 67 |
| 11. | KAH | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | ×100= 60 |
| 12. | KNS | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | ×100= 60 |
| 13. | MSM | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | ×100= 53 |
| 14. | MA | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | ×100= 60 |
| 15. | MFA | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | ×100= 53 |
| 16. | MRSW | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | ×100= 60 |
| 17 | NRAK | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | ×100= 40 |
| 18. | NFPA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | ×100= 73 |
| 19. | NRR | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | ×100= 73 |
| 20. | PAN | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | ×100= 53 |
| 21. | RMNA | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | ×100= 47 |
| 22. | SDA | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | ×100= 40 |
| 23. | SAN | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | ×100= 67 |
|  | Jumlah |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1299 |

**DATA NILAI SISWA PRETEST - POSTTEST**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Nama Siswa** | **Pretest** | **Posttest** | **N-Gain** | **Ket** |
| 1. | AIPA | 40 | 60 | 0,33 | Sedang |
| 2. | AHH | 20 | 40 | 0,25 | Rendah |
| 3. | AAKW | 40 | 60 | 0,33 | Sedang |
| 4. | ASPA | 40 | 53 | 0,22 | Rendah |
| 5. | DAI | 20 | 47 | 0,34 | Sedang |
| 6. | FSA | 20 | 53 | 0,41 | Sedang |
| 7. | FFH | 27 | 60 | 0,45 | Sedang |
| 8. | FAN | 20 | 67 | 0,58 | Sedang |
| 9. | FAA | 27 | 53 | 0,36 | Sedang |
| 10. | GHT | 33 | 67 | 0,51 | Sedang |
| 11. | KAH | 33 | 60 | 0,40 | Sedang |
| 12. | KNS | 33 | 60 | 0,40 | Sedang |
| 13. | MSM | 40 | 53 | 0,22 | Rendah |
| 14. | MA | 33 | 60 | 0,40 | Sedang |
| 15. | MFA | 27 | 53 | 0,36 | Sedang |
| 16. | MRSW | 33 | 60 | 0,40 | Sedang |
| 17. | NRAK | 33 | 40 | 0,10 | Rendah |
| 18. | NFPA | 60 | 73 | 0,32 | Sedang |
| 19. | NRR | 60 | 73 | 0,32 | Sedang |
| 20. | PAN | 27 | 53 | 0,36 | Sedang |
| 21. | RMNA | 33 | 47 | 0,21 | Rendah |
| 22. | SDA | 33 | 40 | 0,10 | Rendah |
| 23. | SAN | 40 | 67 | 0,45 | Sedang |
|  | **Jumlah** | **772** | **1299** | **7,82** | **Sedang** |
|  | **Rata-rata** | **33,56** | **56,47** | **0,34** |  |