**Lampiran 1**

 **Kisi-Kisi Lembar Observasi Kegiatan Siswa dalam**

**Mengikuti Pembelajaran Menggunakan Model *CooperativeLearning***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Aspek yang Diamati** |  |  | **Skor** |  | **Jumlah** |  |
| **1** | **2** |  | **3** | **4** |  |
|  |  |  |  |  |
| 1. | Mendengarkan penjelasan guru |  |  |  |  |  |  |
|  |
| 2. | Aktif bertanya dan memberi tanggapan |  |  |  |  |  |  |
|  |
|  |
| 3. | Mengikuti pembelajaran *model**Kooperatif* sesuai langkah-langkah yang sudah diberikan |  |  |  |  |  |  |
|  |
|  |
| 4. | Proses pelaksanaan pembelajaranmenggunakan *model kooperatif learning* |  |  |  |  |  |  |
|  |
|  |
| 5. | Keaktifan berdiskusi |  |  |  |  |  |  |
| 6. | Mempresentasikan hasil diskusiKelompok |  |  |  |  |  |  |
|  |
|  |
|  | **Jumlah Skor** |  |  |  |  |  |  |  |
|  | **Persentase** |  |  |  |  |  |  |  |

**Lampiran 2**

**DATA HASIL BELAJAR SISWA SIKLUS I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Nama Siswa | Nilai | PAP | PPH | Keterangan |
|
| 1 | Ahmad Zaki Musyafa | 55 | 56 | 56% | Tidak Tuntas |
| 2 | Aldo Anugrah Junior | 83 | 85 | 85% | Tuntas |
| 3 | Apriliya | 77 | 78 | 78% | Tuntas |
| 4 | Atika Br.Bangun | 90 | 92 | 92% | Tuntas |
| 5 | Cindy Sucitra | 70 | 71 | 71% | Tidak Tuntas |
| 6 | Dede Ferdiansyah | 76 | 77 | 77% | Tuntas |
| 7 | Eko Sahputra | 60 | 61 | 61% | Tidak Tuntas |
| 8 | Faril Pratama | 38 | 39 | 39% | Tidak Tuntas |
| 9 | Feri Ardiansyah | 76 | 77 | 77% | Tuntas |
| 10 | M. Aditya Wahyudi | 98 | 100 | 100% | Tuntas |
| 11 | M. Ilham | 88 | 90 | 90% | Tuntas |
| 12 | M. Rehan | 83 | 84 | 84% | Tuntas |
| 13 | Maulidina Affani | 68 | 69 | 69% | Tidak Tuntas |
| 14 | Melisa Ramadani | 83 | 85 | 85% | Tuntas |
| 15 | Nurul Huda | 67 | 68 | 68% | Tidak Tuntas |
| 16 | Primus | 53 | 54 | 54% | Tidak Tuntas |
| 17 | Raihan | 85 | 86 | 86% | Tuntas |
| 18 | Riski Akbar | 70 | 71 | 71% | Tidak Tuntas |
| 19 | Rivaldo | 83 | 84 | 84% | Tuntas |
| 20 | Silvi Indriyani | 68 | 69 | 69% | Tidak Tuntas |
| 21 | Tri Ramadhan | 33 | 34 | 34% | Tidak Tuntas |
| 22 | Zikri | 83 | 85 | 85% | Tuntas |
| $$\sum\_{}^{}X$$ | 1588 | 1615 |  |
| Rata-rata | 72 | 73 |
| Skor Max | 98 |  |

**Lampiran 3**

**DATA HASIL BELAJAR SISWA SIKLUS II**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Nama Siswa | Nilai | PAP | PPH | Keterangan |
|
| 1 | Ahmad Zaki Musyafa | 62 | 62 | 62% | Tidak Tuntas |
| 2 | Aldo Anugrah Junior | 78 | 78 | 78% | Tuntas |
| 3 | Apriliya | 78 | 78 | 78% | Tuntas |
| 4 | Atika Br.Bangun | 78 | 78 | 78% | Tuntas |
| 5 | Cindy Sucitra | 78 | 78 | 78% | Tuntas |
| 6 | Dede Ferdiansyah | 77 | 77 | 77% | Tuntas |
| 7 | Eko Sahputra | 62 | 62 | 62% | Tidak Tuntas |
| 8 | Faril Pratama | 65 | 65 | 65% | Tidak Tuntas |
| 9 | Feri Ardiansyah | 77 | 77 | 77% | Tuntas |
| 10 | M. Aditya Wahyudi | 100 | 100 | 100% | Tuntas |
| 11 | M. Ilham | 62 | 62 | 62% | Tidak Tuntas |
| 12 | M. Rehan | 82 | 82 | 82% | Tuntas |
| 13 | Maulidina Affani | 70 | 70 | 70% | Tidak Tuntas |
| 14 | Melisa Ramadani | 78 | 78 | 78% | Tuntas |
| 15 | Nurul Huda | 73 | 73 | 73% | Tidak Tuntas |
| 16 | Primus | 70 | 70 | 70% | Tidak Tuntas |
| 17 | Raihan | 83 | 83 | 83% | Tuntas |
| 18 | Riski Akbar | 70 | 70 | 70% | Tidak Tuntas |
| 19 | Rivaldo | 78 | 78 | 78% | Tuntas |
| 20 | Silvi Indriyani | 78 | 78 | 78% | Tuntas |
| 21 | Tri Ramadhan | 70 | 70 | 70% | Tidak Tuntas |
| 22 | Zikri | 78 | 78 | 78% | Tuntas |
| $$\sum\_{}^{}X$$ | 1648 |  |  |
| Rata-rata | 74.92 |
| Skor Max | 100 |

**Lampiran 4**

**DATA HASIL BELAJAR SISWA SIKLUS III**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Nama Siswa | Nilai | PAP | PPH | Keterangan |
|
| 1 | Ahmad Zaki Musyafa | 67 | 67 | 67% | Tidak Tuntas |
| 2 | Aldo Anugrah Junior | 90 | 90 | 90% | Tuntas |
| 3 | Apriliya | 90 | 90 | 90% | Tuntas |
| 4 | Atika Br.Bangun | 90 | 90 | 90% | Tuntas |
| 5 | Cindy Sucitra | 90 | 90 | 90% | Tuntas |
| 6 | Dede Ferdiansyah | 90 | 90 | 90% | Tuntas |
| 7 | Eko Sahputra | 67 | 67 | 67% | Tidak Tuntas |
| 8 | Faril Pratama | 72 | 72 | 72% | Tidak Tuntas |
| 9 | Feri Ardiansyah | 90 | 90 | 90% | Tuntas |
| 10 | M. Aditya Wahyudi | 100 | 100 | 100% | Tuntas |
| 11 | M. Ilham | 67 | 67 | 67% | Tidak Tuntas |
| 12 | M. Rehan | 97 | 97 | 97% | Tuntas |
| 13 | Maulidina Affani | 90 | 90 | 90% | Tuntas |
| 14 | Melisa Ramadani | 90 | 90 | 90% | Tuntas |
| 15 | Nurul Huda | 93 | 93 | 93% | Tuntas |
| 16 | Primus | 90 | 90 | 90% | Tuntas |
| 17 | Raihan | 75 | 75 | 75% | Tuntas |
| 18 | Riski Akbar | 72 | 72 | 72% | Tidak Tuntas |
| 19 | Rivaldo | 90 | 90 | 90% | Tuntas |
| 20 | Silvi Indriyani | 93 | 93 | 93% | Tuntas |
| 21 | Tri Ramadhan | 90 | 90 | 90% | Tuntas |
| 22 | Zikri | 90 | 90 | 90% | Tuntas |
| $$\sum\_{}^{}X$$ | 1882 |  |  |
| Rata-rata | 85.53 |
| Skor Max | 100 |

**PERSENTASE KETUNTASAN KLASIKAL SISWA**

1. Ketuntasan Klasikal Siklus I :

X = 12 N = 22

$$D=\frac{X}{N}×100\%$$

$$D=\frac{12}{22}×100\%$$

$D=$54,54$\%$

1. Ketuntasan Klasikal Siklus II :

X = 13 N = 22

$$D=\frac{X}{N}×100\%$$

$$D=\frac{13}{22}×100\%$$

$D=$59,09$\%$

1. Ketuntasan Klasikal Siklus III :

X = 17 N = 22

$$D=\frac{X}{N}×100\%$$

$$D=\frac{17}{22}×100\%$$

$D=$77,27$\%$