**HASIL ANALISIS DATA *PRETEST***

**KELAS VA SDN MANURUKI MAKASSAR**

**TAHUN AJARAN 2017/2018**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Skor ($x\_{i}$) | BanyaknyaSiswa ($f\_{i}$) | $f\_{i}$ . $x\_{i}$ | $$x\_{i}^{2}$$ | $$f\_{i} . x\_{i}^{2}$$ |
| 25 | **2** | **50** | **625** | **1250** |
| 30 | **3** | **90** | **900** | **2700** |
| 35 | **1** | **35** | **1225** | **1225** |
| 40 | **1** | **40** | **1600** | **1600** |
| 45 | **6** | **270** | **2025** | **12150** |
| 50 | **4** | **200** | **2500** | **10000** |
| 55 | **5** | **275** | **3025** | **15125** |
| 60 | **3** | **180** | **3600** | **10800** |
| 65 | **3** | **195** | **4225** | **12675** |
| 70 | **2** | **140** | **4900** | **9800** |
| 75 | **1** | **75** | **5625** | **5625** |
| Jumlah | **31** | **1550** | **30250** | **82950** |

* UkuranSampe l = 31
* SkorTertinggi = 75
* SkorTerendah = 25
* RentangSkor = SkorTertinggi - SkorTerendah

= 75 – 25

= 50

* Nilai Rata-rata

$\overbar{x}$ **=**$\frac{\sum\_{}^{}fi.xi}{\sum\_{}^{}fi}$ **=** $\frac{1550}{31}$= **50,00**

* NilaiVariansi (**S2**)

$S^{2}$**=**$\frac{n\sum\_{i=1}^{n}f\_{i} . x\_{i}^{2} - (\sum\_{i=1}^{n} f\_{i} . x\_{i})^{2}}{n\left(n-1\right)}$

= $\frac{31 (82950) – (1550)^{2}}{31 (31-1)}$

 = $\frac{2571450 - 2402500}{930}$

 **=** $\frac{168950}{930}$

 **= 181,67**

* StandarDeviasi**(S)**

$S^{}$**=**$\sqrt{\frac{n\sum\_{i=1}^{n}f\_{i} . x\_{i}^{2} - (\sum\_{i=1}^{n} f\_{i} . x\_{i})^{2}}{n\left(n-1\right)}}$

= $\sqrt{ \frac{31 (82950) – (1550)^{2}}{31 (31-1)}}$

= $\sqrt{ \frac{2571450 - 2402500}{930}}$

= $\sqrt{\frac{168950}{930}}$

= $\sqrt{181,67}$

= **13,478**