**PERTEMUAN 5**

**STATISTIKA DAN PROBABILITAS**

**DATA KELOMPOK**



**Disusun oleh:**

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**PROGRAM STUDI SISTEM INFORMASI**

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**BEKASI**

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**LATIHAN SOAL**

* Nilai Ujian Statistika dari 120 orang mahasiswa dapat dilihat pada tabel di bawah.
* Hitunglah mean, median, modus, kuartil 3, desil 7 dan persentil 75.

|  |  |
| --- | --- |
| **Nilai Ujian** | **Banyaknya Mahasiswa** |
| **30 – 39** | **9** |
| **40 – 49** | **32** |
| **50 – 59** | **43** |
| **60 – 69** | **21** |
| **70 – 79** | **11** |
| **80 – 89** | **3** |
| **90 – 100** | **1** |

**JAWABAN**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nilai Ujian** |  |  |  |  | ***LCL*** | ***UCL*** | ***LCB*** | ***UCB*** |
| **30 – 39** | **9** | **9** | **34,5** | **310.5** | **30** | **39** | **29,5** | **39,5** |
| **40 – 49** | **32** | **41** | **44,5** | **1.424** | **40** | **49** | **39,5** | **49,5** |
| **50 – 59** | **43** | **84** | **54,5** | **2.343,5** | **50** | **59** | **49,5** | **59,5** |
| **60 – 69** | **21** | **105** | **64,5** | **1.354,5** | **60** | **69** | **59,5** | **69,5** |
| **70 – 79** | **11** | **106** | **74,5** | **819,5** | **70** | **79** | **69,5** | **79,5** |
| **80 – 89** | **3** | **119** | **84,5** | **253,5** | **80** | **89** | **79,5** | **89,5** |
| **90 – 100** | **1** | **120** | **95** | **95** | **90** | **100** | **89,5** | **100,5** |
| **Jumlah** | **120** |  | **452** | **6.600,5** |  |  |  |  |

* **Mean**
* **Median**
* **Modus**

* **Kuartil 3**
* **Desil 7**
* **Persentil 75**