|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Usia** | f | x | fx | x2 | f(x)2 |
| 11-15 | 6 | 13 | 78 | 169 | 1014 |
| 16-20 | 2 | 18 | 36 | 324 | 648 |
| 21-25 | 6 | 23 | 138 | 529 | 3174 |
| 26-30 | 9 | 28 | 252 | 784 | 7056 |
| 31-35 | 15 | 33 | 495 | 1089 | 16335 |
| 36-40 | 17 | 38 | 646 | 1444 | 24548 |
| 41-45 | 2 | 43 | 86 | 1849 | 3698 |
| 46-50 | 12 | 48 | 576 | 2304 | 27648 |
| 51-55 | 7 | 53 | 371 | 2809 | 19663 |
| **Total** | **76** | **297** | **2678** | **11301** | **103784** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Usia** | **F** | x | fx | x2 | f(x)2 |
| 11-15 | 2 | 13 | 26 | 169 | 338 |
| 16-20 | 10 | 18 | 180 | 324 | 3240 |
| 21-25 | 10 | 23 | 230 | 529 | 5290 |
| 26-30 | 14 | 28 | 392 | 784 | 10976 |
| 31-35 | 19 | 33 | 627 | 1089 | 20691 |
| 36-40 | 7 | 38 | 266 | 1444 | 10108 |
| 41-45 | 6 | 43 | 258 | 1849 | 11094 |
| 46-50 | 3 | 48 | 144 | 2304 | 6912 |
| 51-55 | 5 | 53 | 265 | 2809 | 14045 |
| **Total** | **76** | **297** | **2388** | **11301** | **82694** |

Sample 1

SDbm2 = SDm12+SDm22

= 0,820821+0,667526

= 1,488348

SDbm = 1,219978

t = (mean1-mean2)/SDbm

= (35,23684-31,42105)/1,219978 = 3,127753

t tes = z score

3,12 = distribusi normal

p value = 0,9991

alpha = 0,05

KEPUTUSAN

p value > alpha

H0 diterima

Mean = fx/f

= 35,23684

SD12 = (fx2/n1)-(fx/n1)2

= 1365,579- 1241,635

= 123,9439

SDm12 = SD12/151

= 0,820821

Mean = fx/f

= 31,42105

SD22 = (fx2/n1)-(fx/n1)2

1088,079-987,2825

100,7964

SDm22 = SD22/151

= 0,667526

Sample 2