

Lampiran 6

Uji Homogenitas dan Uji T-Test

No	Ibu Bekerja	Ibu Rumah Tangga
1	105	96
2	96	99
3	94	93
4	91	90
5	92	95
6	87	96
7	92	95
8	89	97
9	91	95
10	95	98
11	96	104
12	99	102
13	80	94
14	89	97
15	88	85
16	88	101
17	100	94
18	94	98
19	92	82
20	85	89
21	92	81
22	90	97
23	90	101
24	102	90
25	90	93
26	89	92
27	102	99
28	85	98
29	103	98
30	93	105
31	69	100
32	100	100
33	101	84
34	113	91
35	105	96
36	85	79
37	93	91
38	76	96
39	98	93

40	92	
41	108	
42	99	
43	82	
44	98	
45	96	
46	96	
47	101	
48	92	
49	94	
50	91	
51	86	
52	96	
53	103	
54	97	
55	89	
56	80	
57	91	
58	91	
59	94	
60	104	
61	95	
62	101	
63	100	
64	89	
65	93	
66	114	
67	104	
68	87	
69	90	
70	98	
71	94	
72	99	
73	106	
74	94	
75	93	

Xi-X-bar	(Xi-X-bar)^2
10,920	119,2464
1,920	3,6864
-0,080	0,0064
-3,080	9,4864
-2,080	4,3264

-7,080	50,1264
-2,080	4,3264
-5,080	25,8064
-3,080	9,4864
0,920	0,8464
1,920	3,6864
4,920	24,2064
-14,080	198,2464
-5,080	25,8064
-6,080	36,9664
-6,080	36,9664
5,920	35,0464
-0,080	0,0064
-2,080	4,3264
-9,080	82,4464
-2,080	4,3264
-4,080	16,6464
-4,080	16,6464
7,920	62,7264
-4,080	16,6464
-5,080	25,8064
7,920	62,7264
-9,080	82,4464
8,920	79,5664
-1,080	1,1664
-25,080	629,0064
5,920	35,0464
6,920	47,8864
18,920	357,9664
10,920	119,2464
-9,080	82,4464
-1,080	1,1664
-18,080	326,8864
3,920	15,3664
-2,080	4,3264
13,920	193,7664
4,920	24,2064
-12,080	145,9264
3,920	15,3664
1,920	3,6864
1,920	3,6864
6,920	47,8864
-2,080	4,3264
-0,080	0,0064
-3,080	9,4864

-8,080	65,2864
1,920	3,6864
8,920	79,5664
2,920	8,5264
-5,080	25,8064
-14,080	198,2464
-3,080	9,4864
-3,080	9,4864
-0,080	0,0064
9,920	98,4064
0,920	0,8464
6,920	47,8864
5,920	35,0464
-5,080	25,8064
-1,080	1,1664
19,920	396,8064
9,920	98,4064
-7,080	50,1264
-4,080	16,6464
3,920	15,3664
-0,080	0,0064
4,920	24,2064
11,920	142,0864
-0,080	0,0064
-1,080	1,1664
Sum	4465,52
Var	60,34486486

Xi-X-bar	(Xi-X-bar)²
1,538	2,36686391
4,538	20,5976331
-1,462	2,13609467
-4,462	19,9053254
0,538	0,28994083
1,538	2,36686391
0,538	0,28994083
2,538	6,44378698
0,538	0,28994083
3,538	12,5207101
9,538	90,9822485
7,538	56,8284024
-0,462	0,21301775
2,538	6,44378698

-9,462	89,5207101
6,538	42,7514793
-0,462	0,21301775
3,538	12,5207101
-12,462	155,289941
-5,462	29,8284024
-13,462	181,213018
2,538	6,44378698
6,538	42,7514793
-4,462	19,9053254
-1,462	2,13609467
-2,462	6,0591716
4,538	20,5976331
3,538	12,5207101
3,538	12,5207101
10,538	111,059172
5,538	30,6745562
5,538	30,6745562
-10,462	109,443787
-3,462	11,9822485
1,538	2,36686391
-15,462	239,059172
-3,462	11,9822485
1,538	2,36686391
-1,462	2,13609467
Sum	1407,69231
Var	37,0445344

SUM	7056	3684
Rata	94,08	94,46153846
Max	114	105
Min	69	79
n	75	39
x-bar	94,080	94,462
Std.Dev		
/ s	7,7682	6,0864
Var /s2	60,3449	37,0445

Uji homogenitas varians :

$$\text{F-hitung} = \frac{\text{Varians Terbesar}}{\text{Varians Terkecil}} = \frac{60,3449}{37,0445} = 1,628981$$

Nilai F-hitung adalah 1,55344 dengan nilai F-tabel $df_1 = \text{pembilang} - 1 = 74$; $df_2 = \text{penyebut} - 1 = 38$ adalah 1,64.

Sehingga $F\text{-hitung} < F\text{-tabel}$, keputusan adalah tidak tolak H_0 . Dengan demikian dapat disimpulkan bahwa varians dari kedua kelompok tersebut adalah homogen.

Independent t-test

$$\text{Rumus : } t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{(n_1 - 1)s_1^2 + (n_2 - 1)s_2^2}{n_1 + n_2 - 2} \left[\frac{n_1 + n_2}{n_1 n_2} \right]}}$$

$$\text{t-hitung} = \frac{-0,382}{55,75489} = -0,00684$$