

LAMPIRAN

Lampiran 1. Waktu Preferensi Mengajar (Q_{km})

Qkm	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
1-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0		
1-02	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	
1-03	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
1-04	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
1-05	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
1-06	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1-07	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1-08	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1-09	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	
2-02	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	
2-03	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	0	
2-04	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	0	
2-05	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	0	
2-06	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	
2-07	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	
2-08	1	1	1	1	0	0	1	1	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
2-09	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3-01	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
3-02	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
3-03	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	

Qklm	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1-01	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-02	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-03	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-07	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-02	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0
2-03	0	3	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	1	0	0	0	0	0
2-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	1	0	0	0	0	0
2-05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0
2-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
2-07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-08	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-01	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-02	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0
3-03	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0

Qklm	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
3-04	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0
3-05	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
3-06	1	1	1	1	1	1	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
3-07	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
3-08	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
3-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
4-02	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
4-03	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	0
4-04	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	1	1	0
4-05	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	0
4-06	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
4-07	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
4-08	1	1	1	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4-09	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-02	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5-03	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0
5-04	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
5-05	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
5-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5-07	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5-08	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Qklm	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
3-05	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	0	0	
3-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	0	0
3-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
3-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-02	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-03	1	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-04	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	
4-05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	
4-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	
4-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-03	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Lampiran 2. Mata Kuliah yang Diambil oleh Kelompok Mahasiswa (Y_{mn})

Ymn	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0	0	0	1	0	0	0	0	0	0	0
2	0	0	0	0	0	1	0	0	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0	0
4	0	0	0	0	0	0	0	1	0	0	0	0
5	0	0	0	0	0	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	1	0	0	0	0
7	0	0	1	0	0	0	0	0	0	0	0	0
8	0	0	0	1	0	0	0	0	0	0	0	0
9	0	0	0	0	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	0	0	0	0
11	0	0	0	0	0	0	0	1	0	0	0	0
12	1	0	0	0	0	0	0	0	0	0	0	0
13	0	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	0	0	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0	0	0
17	0	1	0	0	0	0	0	0	0	0	0	0
18	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	1	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0
22	0	0	0	0	0	1	0	0	0	0	0	0
23	0	0	0	0	0	0	1	0	0	0	0	0
24	0	0	0	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	0	0	0	1	0	0	0
26	0	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	0	0	1	0	0	0	0	0	0	0
29	0	0	0	0	0	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	0	0	0
31	0	0	0	0	0	0	0	0	0	1	0	0
32	0	0	0	0	0	0	0	0	0	1	0	0
33	0	0	0	0	1	0	0	0	0	0	0	0
34	0	1	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	1	0	0	0	0	0
36	0	0	0	0	0	0	0	1	0	0	0	0
37	1	0	0	0	0	0	0	0	0	0	0	0
38	0	1	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	1	0	0	0	0	0	0	0
40	0	0	0	0	0	1	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	1
42	1	0	0	0	0	0	0	0	0	0	0	0
43	0	1	0	0	0	0	0	0	0	0	0	0
44	0	0	1	0	0	0	0	0	0	0	0	0
45	0	0	0	1	0	0	0	0	0	0	0	0
46	0	0	0	0	0	1	0	0	0	0	0	0
47	0	0	0	0	0	0	1	0	0	0	0	0

Ymn	1	2	3	4	5	6	7	8	9	10	11	12
48	0	0	0	0	1	0	0	0	0	0	0	0
49	0	0	0	0	0	1	0	0	0	0	0	0
50	0	0	0	0	0	0	1	0	0	0	0	0
51	0	0	1	0	0	0	0	0	0	0	0	0
52	0	0	0	1	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	1	0	0	0
54	0	0	0	0	0	0	0	0	0	1	0	0
55	0	0	0	0	0	0	0	0	0	0	0	1
56	0	0	0	0	0	0	0	0	0	0	1	0
57	0	0	0	0	0	0	0	0	0	0	0	1
58	0	0	0	1	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	1	0	0	0
60	0	0	1	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	1	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	1	0
63	1	0	0	0	0	0	0	0	0	0	0	0
64	1	0	0	0	0	0	0	0	0	0	0	0

Lampiran 3. Contoh Hasil Jadwal Output Lingo pada Microsoft Excel

Xjklmn	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12
5-3-1	0	0	0	0	0	0	0	0	0	0	0	0
5-3-2	0	0	0	0	0	0	0	0	0	0	0	0
5-3-3	0	0	0	0	0	0	0	0	0	0	0	0
5-3-4	0	0	0	0	0	0	0	0	0	0	0	0
5-3-5	0	0	0	0	0	0	0	0	0	0	0	0
5-3-6	0	0	0	0	1	0	0	0	0	0	0	0
5-3-7	0	0	0	0	1	0	0	0	0	0	0	0
5-3-8	0	0	0	0	0	0	0	0	0	0	0	0
5-3-9	0	0	0	0	0	0	0	0	0	0	0	0
5-3-10	0	0	0	0	0	0	0	0	0	0	0	0
5-4-1	0	0	0	0	0	0	0	0	0	0	0	0
5-4-2	0	0	0	0	0	0	0	0	0	0	0	0
5-4-3	0	0	0	0	0	0	0	0	0	0	0	0
5-4-4	0	0	0	0	0	0	0	0	0	0	0	0
5-4-5	0	0	0	0	0	0	0	0	0	0	0	0
5-4-6	0	0	0	0	0	0	0	0	0	0	0	0
5-4-7	0	0	0	0	0	0	0	0	0	0	0	0
5-4-8	0	0	0	0	0	0	0	0	0	0	0	0
5-4-9	0	0	0	0	0	0	0	0	0	0	0	0
5-4-10	0	0	0	0	0	0	0	0	0	0	0	0

Lampiran 4. Hasil Uji Sensitivitas

a. 3 Ruang

Lingo 18.0 Solver Status [Jadwal Trial_Fix]

Solver Status	
Model Class:	PILP
State:	Infeasible
Objective:	0
Infeasibility:
Iterations:	1313

Variables	
Total:	115200
Nonlinear:	0
Integers:	115200

Constraints	
Total:	190716
Nonlinear:	0

Nonzeros	
Total:	291645
Nonlinear:	0

Generator Memory Used (K)	
Total:	32018

Elapsed Runtime (hh:mm:ss)	
Total:	00:00:17

Extended Solver Status	
Solver Type:	B-and-B
Best Obj:
Obj Bound:	1e+030
Steps:	0
Active:	0

Update Interval:

LINGO Error Message

Error Code:

Error Text:
No feasible solution found.

b. 4 Ruang

The screenshot shows the 'Lingo 18.0 Solver Status [Jadwal Trial_Fix]' dialog box. It is divided into several sections:

- Solver Status:**
 - Model Class: PIIP
 - State: Infeasible
 - Objective: 50.4537
 - Infeasibility: . . .
 - Iterations: 150903
- Variables:**
 - Total: 153600
 - Nonlinear: 0
 - Integers: 153600
- Constraints:**
 - Total: 253766
 - Nonlinear: 0
- Nonzeros:**
 - Total: 388860
 - Nonlinear: 0
- Extended Solver Status:**
 - Solver Type: B-and-B
 - Best Obj: . . .
 - Obj Bound: 65.6958
 - Steps: 0
 - Active: 0
- Generator Memory Used (K):** 42554
- Elapsed Runtime (hh:mm:ss):** 00:01:41

At the bottom, there is an 'Update Interval' set to 2, and buttons for 'Interrupt Solver' and 'Close'.

The screenshot shows the 'LINGO Error Message' dialog box. It contains the following information:

- Error Code:** 81
- Error Text:** No feasible solution found.

Buttons for 'Copy', 'Explain', and 'OK' are visible at the top right.

c. 5 Ruangan

Lingo 18.0 Solver Status [Jadwal Trial_Fix_Final]

Solver Status Model Class: PILP State: Global Opt Objective: 93 Infeasibility: 0 Iterations: 358470		Variables Total: 188160 Nonlinear: 0 Integers: 188160	
Extended Solver Status Solver Type: B-and-B Best Obj: 93 Obj Bound: 93 Steps: 263 Active: 0		Constraints Total: 317519 Nonlinear: 0	
		Nonzeros Total: 647410 Nonlinear: 0	
		Generator Memory Used (K) 55363	
		Elapsed Runtime (hh:mm:ss) 00 : 12 : 33	

Update Interval:

d. 6 Ruangan

Lingo 18.0 Solver Status [Jadwal Trial_Fix_6 Ruangan]

Solver Status Model Class: PILP State: Global Opt Objective: 89 Infeasibility: 0 Iterations: 148347		Variables Total: 230400 Nonlinear: 0 Integers: 230400	
Extended Solver Status Solver Type: B-and-B Best Obj: 89 Obj Bound: 89 Steps: 2 Active: 0		Constraints Total: 379866 Nonlinear: 0	
		Nonzeros Total: 583290 Nonlinear: 0	
		Generator Memory Used (K) 63632	
		Elapsed Runtime (hh:mm:ss) 00 : 02 : 07	

Update Interval:

Lampiran 5. Interpretasi Jadwal (5 Ruangan)

Ruang	Senin									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1	Proses Manufaktur (1)	Proses Manufaktur (1)	Pengendalian dan Penjaminan Mutu (8)	Pengendalian dan Penjaminan Mutu (8)	Pengendalian dan Penjaminan Mutu (8)	Ekologi Industri (2)	Ekologi Industri (2)			
Ruang 2		Penelitian Operasional 2 (7)	Penelitian Operasional 2 (7)	Penelitian Operasional 2 (7)		Analisis dan Perancangan Sistem Informasi (8)	Analisis dan Perancangan Sistem Informasi (8)			
Ruang 3		Analisis dan Perancangan Sistem Informasi (5)	Analisis dan Perancangan Sistem Informasi (5)	Pemodelan Sistem (6)	Pemodelan Sistem (6)	Mekanika Teknik (!)	Mekanika Teknik (!)			
Ruang 4			Aljabar Linear (1)	Aljabar Linear (1)	Aljabar Linear (1)	Proses Manufaktur (3)	Proses Manufaktur (3)	Fisika Dasar 2 (2)	Fisika Dasar 2 (2)	Fisika Dasar 2 (2)
Ruang 5		Pengendalian dan Penjaminan Mutu (6)	Pengendalian dan Penjaminan Mutu (6)	Pengendalian dan Penjaminan Mutu (6)				Perancangan dan Manajemen Organisasi Industri (12)	Perancangan dan Manajemen Organisasi Industri (12)	Perancangan dan Manajemen Organisasi Industri (12)

Ruang	Selasa									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1	Proses Manufaktur (2)	Proses Manufaktur (2)		Metodologi Penelitian (12)	Metodologi Penelitian (12)		Kalkulus 2 (2)	Kalkulus 2 (2)	Kalkulus 2 (2)	Kalkulus 2 (2)
Ruang 2			Aljabar Linear (2)	Aljabar Linear (2)	Aljabar Linear (2)	Analisis dan Perancangan Sistem Informasi (7)	Analisis dan Perancangan Sistem Informasi (7)	Ergonomi 2 (8)	Ergonomi 2 (8)	Ergonomi 2 (8)
Ruang 3			Penelitian Operasional 2 (8)	Penelitian Operasional 2 (8)	Penelitian Operasional 2 (8)	Analitika Data (8)	Analitika Data (8)			
Ruang 4		Perancangan dan Manajemen Organisasi Industri (10)	Perancangan dan Manajemen Organisasi Industri (10)	Perancangan dan Manajemen Organisasi Industri (10)		Mekanika Teknik (3)	Mekanika Teknik (3)	Aljabar Linear (4)	Aljabar Linear (4)	Aljabar Linear (4)
Ruang 5		Pengendalian dan Penjaminan Mutu (5)	Pengendalian dan Penjaminan Mutu (5)	Pengendalian dan Penjaminan Mutu (5)		Metodologi Penelitian (9)	Metodologi Penelitian (9)			

Ruang	Rabu									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1		Ekologi Industri (3)	Ekologi Industri (3)	Analitika Data (6)	Analitika Data (6)		Kalkulus 2 (4)	Kalkulus 2 (4)	Kalkulus 2 (4)	Kalkulus 2 (4)
Ruang 2		Ekologi Industri (1)	Ekologi Industri (1)	Pemodelan Sistem (8)	Pemodelan Sistem (8)			Aljabar Linear (3)	Aljabar Linear (3)	Aljabar Linear (3)
Ruang 3		Ergonomi 2 (7)	Ergonomi 2 (7)	Ergonomi 2 (7)		Metodologi Penelitian (11)	Metodologi Penelitian (11)	Fisika Dasar 2 (1)	Fisika Dasar 2 (1)	Fisika Dasar 2 (1)
Ruang 4	Metodologi Penelitian (10)	Metodologi Penelitian (10)	Ekonomika dan Ekonomi Teknik (9)	Ekonomika dan Ekonomi Teknik (9)	Ekonomika dan Ekonomi Teknik (9)	Analitika Data (5)	Analitika Data (5)	Ergonomi 2 (6)	Ergonomi 2 (6)	Ergonomi 2 (6)
Ruang 5		Penelitian Operasional 2 (6)	Penelitian Operasional 2 (6)	Penelitian Operasional 2 (6)	Ekologi Industri (4)	Ekologi Industri (4)		Statistika 2 (5)	Statistika 2 (5)	Statistika 2 (5)

Ruang	Kamis									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1	Ergonomi 2 (5)	Ergonomi 2 (5)	Ergonomi 2 (5)			Proses Manufaktur (4)	Proses Manufaktur (4)		Mekanika Teknik (2)	Mekanika Teknik (2)
Ruang 2		Statistika 2 (7)	Statistika 2 (7)	Statistika 2 (7)		Analitika Data (7)	Analitika Data (7)			
Ruang 3			Ekonomika dan Ekonomi Teknik (10)	Ekonomika dan Ekonomi Teknik (10)	Ekonomika dan Ekonomi Teknik (10)			Pengendalian dan Penjaminan Mutu (7)	Pengendalian dan Penjaminan Mutu (7)	Pengendalian dan Penjaminan Mutu (7)
Ruang 4		Analisis dan Perancangan Sistem Informasi (6)	Analisis dan Perancangan Sistem Informasi (6)	Pemodelan Sistem (5)	Pemodelan Sistem (5)		Kalkulus 2 (3)	Kalkulus 2 (3)	Kalkulus 2 (3)	Kalkulus 2 (3)
Ruang 5			Perancangan dan Manajemen Organisasi Industri (9)	Perancangan dan Manajemen Organisasi Industri (9)	Perancangan dan Manajemen Organisasi Industri (9)	Ekonomika dan Ekonomi Teknik (12)	Ekonomika dan Ekonomi Teknik (12)	Ekonomika dan Ekonomi Teknik (12)		

Ruang	Jum'at									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1		Fisika Dasar 2 (4)	Fisika Dasar 2 (4)	Fisika Dasar 2 (4)				Perancangan dan Manajemen Organisasi Industri (11)	Perancangan dan Manajemen Organisasi Industri (11)	Perancangan dan Manajemen Organisasi Industri (11)
Ruang 2			Pemodelan Sistem (7)	Pemodelan Sistem (7)			Mekanika Teknik (4)	Mekanika Teknik (4)		
Ruang 3			Ekonomika dan Ekonomi Teknik (11)	Ekonomika dan Ekonomi Teknik (11)	Ekonomika dan Ekonomi Teknik (11)			Statistika 2 (6)	Statistika 2 (6)	Statistika 2 (6)
Ruang 4		Penelitian Operasional 2 (5)	Penelitian Operasional 2 (5)	Penelitian Operasional 2 (5)			Kalkulus 2 (1)	Kalkulus 2 (1)	Kalkulus 2 (1)	Kalkulus 2 (1)
Ruang 5		Statistika 2 (8)	Statistika 2 (8)	Statistika 2 (8)				Fisika Dasar 2 (3)	Fisika Dasar 2 (3)	Fisika Dasar 2 (3)

Lampiran 6. Interpretasi Jadwal (6 Ruangan)

Ruangan	Senin									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1			Perancangan dan Penjaminan Mutu (B)	Perancangan dan Penjaminan Mutu (B)	Perancangan dan Penjaminan Mutu (B)	Mekanika Teknik (C)	Mekanika Teknik (C)			
Ruang 2			Aljabar Linear (A)	Aljabar Linear (A)	Aljabar Linear (A)	Mekanika Teknik (A)	Mekanika Teknik (A)	Statistika 2 (C)	Statistika 2 (C)	Statistika 2 (C)
Ruang 3			Penelitian Operasional 2 (A)	Penelitian Operasional 2 (A)	Penelitian Operasional 2 (A)	Proses Manufaktur (D)	Proses Manufaktur (D)	Ergonomi 2 (B)	Ergonomi 2 (B)	Ergonomi 2 (B)
Ruang 4			Pemodelan Sistem (A)	Pemodelan Sistem (A)			Kalkulus 2 (A)	Kalkulus 2 (A)	Kalkulus 2 (A)	Kalkulus 2 (A)
Ruang 5			Ekonomika dan Ekonomi Teknik (D)	Ekonomika dan Ekonomi Teknik (D)	Ekonomika dan Ekonomi Teknik (D)					
Ruang 6			Proses Manufaktur (A)	Proses Manufaktur (A)		Analisis dan Perancangan Sistem Informasi (C)	Analisis dan Perancangan Sistem Informasi (C)			

Ruang	Selasa									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1			Perancangan dan Manajemen Organisasi Industri (B)	Perancangan dan Manajemen Organisasi Industri (B)	Perancangan dan Manajemen Organisasi Industri (B)	Metodologi Penelitian (B)	Metodologi Penelitian (B)	Statistika 2 (A)	Statistika 2 (A)	Statistika 2 (A)
Ruang 2			Perancangan dan Penjaminan Mutu (A)	Perancangan dan Penjaminan Mutu (A)	Perancangan dan Penjaminan Mutu (A)		Kalkulus 2 (C)	Kalkulus 2 (C)	Kalkulus 2 (C)	Kalkulus 2 (C)
Ruang 3			Ergonomi 2 (D)	Ergonomi 2 (D)	Ergonomi 2 (D)					
Ruang 4		Analisis dan Perancangan Sistem Informasi (B)	Analisis dan Perancangan Sistem Informasi (B)	Metodologi Penelitian (D)	Metodologi Penelitian (D)			Fisika Dasar 2 (C)	Fisika Dasar 2 (C)	Fisika Dasar 2 (C)
Ruang 5				Pemodelan Sistem (C)	Pemodelan Sistem (C)	Analitika Data (C)	Analitika Data (C)			
Ruang 6		Proses Manufaktur (B)	Proses Manufaktur (B)					Aljabar Linear (C)	Aljabar Linear (C)	Aljabar Linear (C)

Ruang	Rabu									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1			Perancangan dan Manajemen Organisasi Industri (D)	Perancangan dan Manajemen Organisasi Industri (D)	Perancangan dan Manajemen Organisasi Industri (D)			Fisika Dasar 2 (D)	Fisika Dasar 2 (D)	Fisika Dasar 2 (D)
Ruang 2		Analisis dan Perancangan Sistem Informasi (A)	Analisis dan Perancangan Sistem Informasi (A)	Ekologi Industri (D)	Ekologi Industri (D)					
Ruang 3			Ergonomi 2 (C)	Ergonomi 2 (C)	Ergonomi 2 (C)	Analitika Data (B)	Analitika Data (B)			
Ruang 4			Ekonomika dan Ekonomi Teknik (A)	Ekonomika dan Ekonomi Teknik (A)	Ekonomika dan Ekonomi Teknik (A)		Kalkulus 2 (D)	Kalkulus 2 (D)	Kalkulus 2 (D)	Kalkulus 2 (D)
Ruang 5		Ekologi Industri (A)	Ekologi Industri (A)	Ekonomika dan Ekonomi Teknik (C)	Ekonomika dan Ekonomi Teknik (C)	Ekonomika dan Ekonomi Teknik (C)		Perancangan dan Manajemen Organisasi Industri (C)	Perancangan dan Manajemen Organisasi Industri (C)	Perancangan dan Manajemen Organisasi Industri (C)
Ruang 6		Ekologi Industri (C)	Ekologi Industri (C)	Pemodelan Sistem (D)	Pemodelan Sistem (D)					

Ruang	Kamis									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1			Penelitian Operasional 2 (B)	Penelitian Operasional 2 (B)	Penelitian Operasional 2 (B)	Metodologi Penelitian (C)	Metodologi Penelitian (C)			
Ruang 2			Ergonomi 2 (A)	Ergonomi 2 (A)	Ergonomi 2 (A)	Proses Manufaktur (C)	Proses Manufaktur (C)	Fisika Dasar 2 (A)	Fisika Dasar 2 (A)	Fisika Dasar 2 (A)
Ruang 3			Aljabar Linear (B)	Aljabar Linear (B)	Aljabar Linear (B)			Statistika 2 (B)	Statistika 2 (B)	Statistika 2 (B)
Ruang 4			Perancangan dan Manajemen Organisasi Industri (A)	Perancangan dan Manajemen Organisasi Industri (A)	Perancangan dan Manajemen Organisasi Industri (A)	Pengendalian dan Penjaminan Mutu (D)	Pengendalian dan Penjaminan Mutu (D)	Pengendalian dan Penjaminan Mutu (D)		
Ruang 5			Analitika Data (A)	Analitika Data (A)	Ekologi Industri (B)	Ekologi Industri (B)	Analitika Data(D)	Analitika Data(D)		
Ruang 6			Ekonomika dan Ekonomi Teknik (B)	Ekonomika dan Ekonomi Teknik (B)	Ekonomika dan Ekonomi Teknik (B)	Analisis dan Perancangan Sistem Informasi (D)	Analisis dan Perancangan Sistem Informasi (D)			

Ruang	Jum'at									
	7.30-8.20	8.20-9.10	9.10-10.00	10.00-10.50	10.50-11.40	13.10-14.00	14.00-14.50	14.50-15.40	15.40-16.30	16.30-17.20
Ruang 1			Statistika 2 (D)	Statistika 2 (D)	Statistika 2 (D)			Pengendalian dan Penjaminan Mutu (C)	Pengendalian dan Penjaminan Mutu (C)	Pengendalian dan Penjaminan Mutu (C)
Ruang 2			Aljabar Linear (D)	Aljabar Linear (D)	Aljabar Linear (D)					
Ruang 3			Penelitian Operasional 2 (C)	Penelitian Operasional 2 (C)	Penelitian Operasional 2 (C)		Mekanika Teknik (B)	Mekanika Teknik (B)		
Ruang 4			Pemodelan Sistem (B)	Pemodelan Sistem (B)					Mekanika Teknik (D)	Mekanika Teknik (D)
Ruang 5			Metodologi Penelitian (A)	Metodologi Penelitian (A)						
Ruang 5			Penelitian Operasional 2 (D)	Penelitian Operasional 2 (D)			Kalkulus 2 (B)	Kalkulus 2 (B)	Kalkulus 2 (B)	Kalkulus 2 (B)
Ruang 6			Fisika Dasar 2 (B)	Fisika Dasar 2 (B)	Fisika Dasar 2 (B)					