

### Lampiran 3. Perhitungan Sayatan Geomorfologi

#### Rumus :

- $h = \{(n-1) \times ik\}$
- $d = L \times skala$
- $\alpha = h / d \times 100 \%$
- $\sum h = \text{total } h / \text{banyak sayatan}$
- $\sum \alpha = \text{total } \alpha / \text{banyak sayatan}$

#### Keterangan :

- $n$  : Jumlah kontur yang di sayat
- $h$  : Beda tinggi (meter)
- $ik$  : Interval kontur
- $d$  : Jarak datar
- $\alpha$  : *Slope* / kelerengan (%)
- $L$  : Panjang sayatan (cm)
- $\sum h$  : Rata-rata beda tinggi di bagi jumlah sayatan
- $\sum \alpha$  : Rata-rata slope dibagi jumlah sayatan

Satuan Geomorfologi Topografi Perbukitan-Tersayat Kuat (D2)								
No Sayatan	L (Cm)	n	n-1	IK	Skala	D	H (m)	Kelerengan (%)
10	0.7	3	2	12.5	250	175	25	14.28571429
11	0.4	3	2	12.5	250	100	25	25
12	0.6	3	2	12.5	250	150	25	16.66666667
13	0.4	3	2	12.5	250	100	25	25
14	0.6	3	2	12.5	250	150	25	16.66666667
15	0.5	3	2	12.5	250	125	25	20
16	2.4	3	2	12.5	250	600	25	4.166666667
18	1.8	4	3	12.5	250	450	37.5	8.333333333
19	0.9	5	4	12.5	250	225	50	22.22222222
20	0.3	4	3	12.5	250	75	37.5	50
21	0.7	5	4	12.5	250	175	50	28.57142857
22	0.8	6	5	12.5	250	200	62.5	31.25
23	0.4	4	3	12.5	250	100	37.5	37.5

24	0.2	3	2	12.5	250	50	25	50
25	0.5	5	4	12.5	250	125	50	40
26	0.6	7	6	12.5	250	150	75	50
27	0.5	5	4	12.5	250	125	50	40
28	0.6	4	3	12.5	250	150	37.5	25
29	1.3	4	3	12.5	250	325	37.5	11.53846154
30	0.4	4	3	12.5	250	100	37.5	37.5
31	1.6	5	4	12.5	250	400	50	12.5
32	0.6	5	4	12.5	250	150	50	33.33333333
33	1.1	6	5	12.5	250	275	62.5	22.72727273
34	0.3	3	2	12.5	250	75	25	33.33333333
35	0.8	5	4	12.5	250	200	50	25
36	0.4	4	3	12.5	250	100	37.5	37.5
37	0.5	4	3	12.5	250	125	37.5	30
38	0.9	3	2	12.5	250	225	25	11.11111111
39	0.7	3	2	12.5	250	175	25	14.28571429
40	0.6	4	3	12.5	250	150	37.5	25
41	0.4	3	2	12.5	250	100	25	25
42	0.5	3	2	12.5	250	125	25	20
43	0.5	4	3	12.5	250	125	37.5	30
44	1.4	5	4	12.5	250	350	50	14.28571429
45	1	4	3	12.5	250	250	37.5	15
46	0.9	4	3	12.5	250	225	37.5	16.66666667
47	0.6	4	3	12.5	250	150	37.5	25
48	0.2	3	2	12.5	250	50	25	50
49	0.6	4	3	12.5	250	150	37.5	25
50	0.7	4	3	12.5	250	175	37.5	21.42857143
							37.8125	26.02182193

Beda Tinggi = 37,81

Kelerengan = 26,02

Satuan Geomorfologi Topografi Bergelombang Lemah (V7)								
No Sayatan	L (Cm)	n	n-1	IK	Skala	D	H (m)	Kelerengan (%)
1	4	3	2	12.5	250	1000	25	2.5
2	2.9	3	2	12.5	250	725	25	3.448275862
3	5.6	3	2	12.5	250	1400	25	1.785714286
4	2	3	2	12.5	250	500	25	5
5	3.7	3	2	12.5	250	925	25	2.702702703
6	3.1	3	2	12.5	250	775	25	3.225806452
7	0.5	3	2	12.5	250	125	25	20
8	3.7	3	2	12.5	250	925	25	2.702702703

9	7.2	3	2	12.5	250	1800	25	1.388888889
17	4.1	3	2	12.5	250	1025	25	2.43902439
							25	4.519311528

Beda Tinggi = 25      Kelerengan = 4,51

Satuan Geomorfologi Topografi Bergelombang Lemah ( F3)								
No Sayatan	L (Cm)	n	n-1	IK	Skala	D	H (m)	Kelerengan (%)
51	4	2	1	12.5	250	1000	12.5	1.25
52	1	2	1	12.5	250	250	12.5	5
53	1.2	2	1	12.5	250	300	12.5	4.166666667
54	2.8	2	1	12.5	250	700	12.5	1.785714286
55	0.8	2	1	12.5	250	200	12.5	6.25
56	1.1	2	1	12.5	250	275	12.5	4.545454545
57	0.6	2	1	12.5	250	150	12.5	8.333333333
							12.5	4.475881262

Beda Tinggi = 12,5      Kelerengan = 4,47

Satuan Geomorfologi Topografi Perbukitan-Tersayat Kuat (K2)								
No Sayatan	L (Cm)	n	n-1	IK	Skala	D	H (m)	Kelerengan (%)
10	0.7	3	2	12.5	250	175	25	14.28571429
11	0.4	3	2	12.5	250	100	25	25
12	0.6	3	2	12.5	250	150	25	16.66666667
13	0.4	3	2	12.5	250	100	25	25
14	0.6	3	2	12.5	250	150	25	16.66666667
15	0.5	3	2	12.5	250	125	25	20
16	2.4	3	2	12.5	250	600	25	4.166666667
18	1.8	4	3	12.5	250	450	37.5	8.333333333
19	0.9	5	4	12.5	250	225	50	22.22222222
20	0.3	4	3	12.5	250	75	37.5	50
21	0.7	5	4	12.5	250	175	50	28.57142857
22	0.8	6	5	12.5	250	200	62.5	31.25
23	0.4	4	3	12.5	250	100	37.5	37.5
24	0.2	3	2	12.5	250	50	25	50
25	0.5	5	4	12.5	250	125	50	40

26	0.6	7	6	12.5	250	150	75	50
27	0.5	5	4	12.5	250	125	50	40
28	0.6	4	3	12.5	250	150	37.5	25
29	1.3	4	3	12.5	250	325	37.5	11.53846154
30	0.4	4	3	12.5	250	100	37.5	37.5
31	1.6	5	4	12.5	250	400	50	12.5
32	0.6	5	4	12.5	250	150	50	33.33333333
33	1.1	6	5	12.5	250	275	62.5	22.72727273
34	0.3	3	2	12.5	250	75	25	33.33333333
35	0.8	5	4	12.5	250	200	50	25
36	0.4	4	3	12.5	250	100	37.5	37.5
37	0.5	4	3	12.5	250	125	37.5	30
38	0.9	3	2	12.5	250	225	25	11.11111111
39	0.7	3	2	12.5	250	175	25	14.28571429
40	0.6	4	3	12.5	250	150	37.5	25
41	0.4	3	2	12.5	250	100	25	25
42	0.5	3	2	12.5	250	125	25	20
43	0.5	4	3	12.5	250	125	37.5	30
44	1.4	5	4	12.5	250	350	50	14.28571429
45	1	4	3	12.5	250	250	37.5	15
46	0.9	4	3	12.5	250	225	37.5	16.66666667
47	0.6	4	3	12.5	250	150	37.5	25
48	0.2	3	2	12.5	250	50	25	50
49	0.6	4	3	12.5	250	150	37.5	25
50	0.7	4	3	12.5	250	175	37.5	21.42857143
							39,417	25.7512193

Beda Tinggi = 39,41

Kelerengan = 25,75