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LAMPIRAN A

ORIENTASI DISKONTINUITAS

1. Segmen Campsite Selatan 840

Tabel A. 1 Orientasi Diskontinuitas Segmen Campsite Selatan 840

Lokasi	Segmen	DATA DISKONTINU		SLOPE	
		Dip	Dip Direction	DIP	DIP DIRECTION
CAMPSITE SELATAN 840	AB	57	138	44	6
		70	104		
		74	182		
		81	327		
		86	320		
		71	124		
		69	249		
		74	73		
		84	324		
		BC	30		
	56		146		
	50		175		
	56		202		
	66		94		
	49		60		
	64		80		
	47		163		
	55		137		
	20		222		
	CD	53	229	40	357
		54	225		
		53	191		
		47	83		
		27	135		
		21	67		
		50	161		
		70	72		
	DE	28	165	49	352
		75	337		
		59	319		
		50	115		
		51	205		
		23	62		
		39	170		
		59	254		
		39	260		
		39	135		
	EF	22	186	46	356
		68	100		
		53	175		
		55	225		
		46	157		
		39	136		
	FG	51	117	41	350
		63	118		
		60	107		
		44	134		
		35	160		
43		167			
32		166			
36		146			
GH	76	97	41	349	
	30	160			
	50	128			
	32	169			
	56	190			
	46	110			
	39	138			
	43	142			
	52	187			
	52	206			
47	204				
46	225				
53	174				
65	197				

2. Segmen Campsite Selatan 825

Tabel A. 2. Orientasi Diskontinuitas Segmen Campsite Selatan 825

Lokasi	Segmen	DATA DISKONTINU		SLOPE	
		Dip	Dip Direction	DIP	DIP DIRECTION
CAMPSITE SELATAN 825	AB	66	119	32	352
		60	116		
		45	163		
		39	239		
		62	168		
		74	259		
		73	160		
		40	117		
	BC	75	312	42	356
		74	151		
		51	133		
		76	140		
		50	141		
		62	146		
		65	246		
		80	271		
		64	151		
		51	155		
		76	115		
		CD	59		
	68		101		
	36		138		
	60		121		
	74		298		
	55		257		
	58		110		
	73		139		
	60		126		
	56		136		
	54		201		
	DE		31	188	45
		26	110		
		61	101		
		58	133		
		61	154		
		55	138		
		41	170		
		52	127		
		70	128		
		51	176		
		54	163		
		EF	64	268	
	57		100		
	66		101		
	55		205		
	44		215		
	65		83		
	63		276		
	71		303		
	37		110		
40	116				
68	104				
34	221				
43	105				
FG	57	131	44	351	
	55	105			
	66	247			
	39	135			
	63	168			
	64	232			
	50	224			
	43	197			
	56	131			
	62	148			
75	119				
GH	55	167	41	354	
	53	183			
	70	180			
	66	137			
	70	124			
	53	185			
	82	146			
	81	156			
	75	149			
	67	121			
	71	210			
	79	261			
48	123				
77	228				

CAMPSTE SELATAN 825	HI	55	205	36	341
		81	227		
		44	135		
		72	131		
		73	116		
		64	124		
		65	148		
		70	127		
		68	127		
	IJ	44	122	45	340
		58	200		
		67	199		
		44	219		
		73	231		
		60	123		
		51	210		
		67	115		
		45	196		
	JK	65	211	36	350
		46	117		
		65	114		
		69	209		
		51	118		
		50	110		
		53	197		
		63	154		
		59	178		
		71	236		
		41	143		
	KL	58	130	35	1
		68	201		
		49	221		
		58	102		
		71	157		
		57	179		
		49	155		
		57	226		
		53	307		
		68	292		
		63	117		
		85	259		
		41	121		
	LM	65	104	35	342
		78	130		
		66	195		
		60	108		
		84	254		
48		140			
67		225			
65		226			
74		204			
68		206			
72		125			
65		107			
86		229			
	51	114			
MN	64	118	31	342	
	55	137			
	61	211			
	70	135			
	58	225			
	82	262			
	70	268			
	80	244			
	74	185			
	64	224			
	59	204			
	65	204			

3. Segmen Campsite Selatan 800

Tabel A. 3. Orientasi Diskontinuitas Segmen Campsite Selatan 800

Lokasi	Segmen	DATA DISKONTINU		SLOPE				
		Dip	Dip Direction	DIP	DIP DIRECTION			
CAMPSITE SELATAN 800	AB	73	239	32	4			
		90	292					
		76	266					
		90	291					
		77	164					
		80	112					
		34	277					
		72	239					
		78	275					
		73	268					
		74	320					
		81	261					
		70	320					
		BC	66			237	34	2
	81		324					
	74		221					
	61		218					
	89		309					
	86		291					
	86		249					
	70		257					
	65		219					
	86		303					
	73		247					
	CD		71	246	48	8		
			77	257				
			78	278				
		63	120					
		83	278					
		69	230					
		70	240					
		62	227					
		84	289					
		77	129					
		DE	67	267			45	9
			62	239				
			70	232				
			68	126				
	64		170					
	73		212					
	54		147					
	73		279					
	76		108					
	81		260					
	60		219					
	81		267					
	8		50					
	62		127					
	EF	73	285	44	360			
		75	146					
		72	273					
		67	190					
		66	213					
		4	100					
		77	255					
		76	257					
		77	310					
		76	222					
		FG	66			220	40	359
			64			221		
			75			239		
			58			236		
	64		147					
	60		234					
	3		235					
	46		144					
	74		245					
	59		213					
	GH		80	234	45	353		
			62	189				
			61	101				
			61	112				
		71	101					
		72	259					
		70	265					
		60	275					
		HI	73	279			53	355
			71	111				
			64	195				
			72	112				
			68	257				
			67	100				
	63		215					
	58		123					
	50		127					
	58		200					
	75		271					
	70		250					
	63		120					
	58		107					

CAMPSTE SELATAN C	IJ	66	213	29	355
		67	220		
		68	131		
		56	176		
		66	107		
		63	149		
		68	176		
		56	179		
	JK	54	182	30	353
		61	179		
		62	127		
		40	168		
		58	140		
		45	175		
	KL	57	176	36	350
		62	184		
		76	209		
		54	132		
		67	126		
		59	146		
	LM	65	230	38	348
		75	252		
		70	199		
		65	209		
		53	141		
		38	202		
		69	197		
	MN	63	133	47	338
		51	124		
		74	205		
		57	111		
		70	101		
		66	194		
		67	203		
	NO	65	193	42	334
		66	139		
		56	145		
		57	85		
		56	210		
		82	238		
		58	192		
		56	110		
		56	125		
		51	132		
		53	123		
	OP	50	105	44	334
		52	200		
45		163			
73		229			
75		229			
75		250			
70		118			
48		147			
64		75			
70		237			
80		249			
42		160			
PQ	65	238	44	330	
	56	190			
	60	189			
	66	196			
	59	188			
	70	238			
	56	191			
	47	104			
	80	200			
	76	249			
	70	227			
	67	223			
	70	217			
	68	208			
	76	242			
	67	80			
64	204				

4. Segmen MainRidge 780

Tabel A. 4. Orientasi Diskontinuitas Segmen 780

Lokasi	Segmen	DATA DISKONTINU		SLOPE	
		Dip	Dip Direction	DIP	DIP DIRECTION
MAINRIDGE 780	AB	65	114	38	340
		57	129		
		69	149		
		64	145		
		20	200		
		47	165		
		77	82		
		59	123		
	BC	62	116	45	340
		61	135		
		78	273		
		76	111		
		78	260		
		69	138		
		77	227		
		63	196		
	CD	64	112	31	348
		75	117		
		45	108		
		60	202		
		73	122		
		58	124		
		56	127		
		64	202		
		73	190		
		73	200		
		70	119		
		63	150		
	DE	46	130	27	336
		62	206		
		60	103		
		67	117		
		68	104		
		70	178		
		75	95		
		72	86		

5. Segmen MainRidge 760

Tabel A. 5. Orientasi Diskontinuitas Segmen 780

Lokasi	Segmen	DATA DISKONTINU		SLOPE	
		Dip	Dip Direction	DIP	DIP DIRECTION
MAINRIDGE 760	AB	64	100	40	345
		43	215		
		53	95		
		13	143		
		51	237		
		71	103		
		55	105		
		69	93		
	BC	53	252	41	320
		59	132		
		67	207		
		59	139		
		65	232		
	CD	67	117	37	334
		81	249		
		71	118		
		55	111		
		74	197		
		64	114		
	DE	60	127	46	336
		59	108		
		74	228		
		84	243		
		73	109		
		73	227		
		65	157		
	EF	62	99	41	330
		74	174		
		69	93		
		58	83		
		68	182		
		73	183		
		62	103		
	FG	72	55	40	335
		75	231		
		58	103		
76		200			
62		189			
67		159			
70		78			
53		136			
GH	72	67	43	336	
	67	101			
	72	211			
	50	127			
	79	194			
	82	234			
	70	115			
	65	84			
	66	69			
44	140				
66	80				
81	213				

MAINRIDGE 760	HI	33	172	41	334
		58	104		
		67	94		
		74	207		
		64	70		
		84	23		
		63	150		
		84	27		
	IJ	63	124	43	335
		64	93		
		61	105		
		75	139		
		40	104		
		60	90		
		80	40		
	JK	61	213	44	333
		46	158		
		59	197		
		61	195		
		72	240		
		61	190		
		82	75		
		73	40		
		90	25		
	44	139			
	KL	53	195	42	332
		76	272		
		60	203		
		64	182		
		71	176		
		59	113		
		56	85		
		65	52		
		70	194		
	79	274			
	LM	62	80	44	335
		51	94		
		80	65		
		84	22		
		86	10		
		61	182		
		62	264		
		68	104		
60		100			
74		74			
MN	54	193	49	337	
	61	194			
	64	75			
	48	144			
	71	78			
	67	213			
	50	216			
	54	83			
	78	75			
46	99				

LAMPIRAN B

PERHITUNGAN NILAI *GEOLOGICAL STRENGTH INDEX* (GSI)

Perhitungan JV dan SCR

- *Joint Volumetri* (JV)

$$JV = \left(\frac{M}{L}\right)^3$$

Keterangan :

M : Jumlah *Joint* per segmen

L : Panjang Per Segmen (m)

- *Surface Condition Rating* (SCR)

$$SCR = R_r + R_w + R_f$$

Keterangan :

R_r : Tingkat kekerasan (*roughness*)

R_w : Tingkat pelapukan (*weathering*)

R_f : Pengisi (*fill strength*)

Data *Surface Condition Rating* (SCR) diambil dari data diskontinuitas pada lampiran A. setelah di dapatkan SCR dan *Joint Volumetric* (JV). Pengeplotan hasil perhitungan tersebut di grafik standar klasifikasi GSI (Somnez & Ulusay, 1999) untuk mendapatkan nilai GSI.

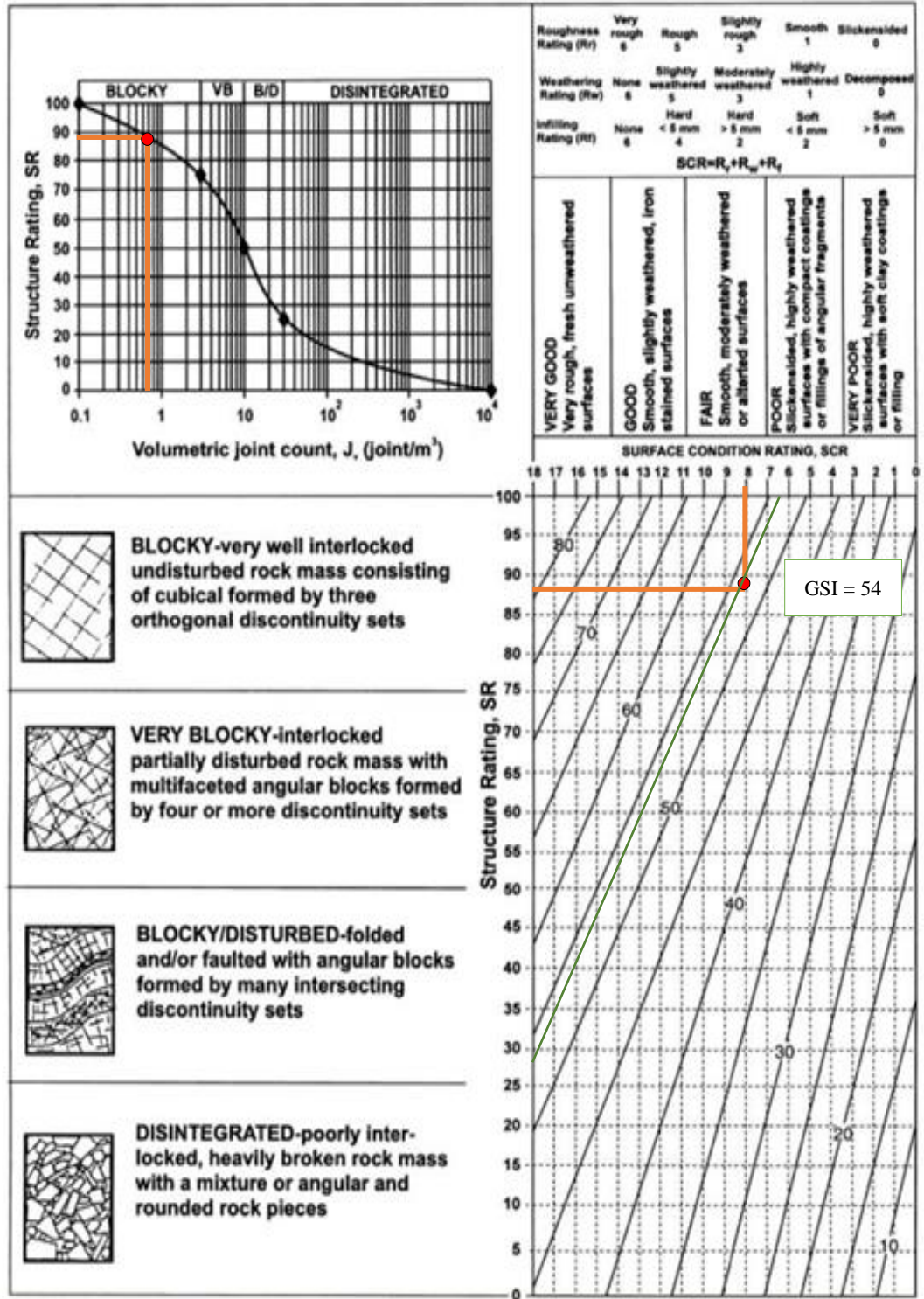
1. PERHITUNGAN GSI

Tabel B. 1. Perhitungan GSI

Lokasi	No	Segmen	M	L	JV	Rr	Rw	Rf	SCR	GSI Grafik
Campsite Selatan 840 A	1	A-B	9	10	0.7	1	5	2	8	54
	2	B-C	10	10	1	1	5	2	8	52
	3	C-D	9	10	0.7	1	5	2	8	54
	4	D-E	10	10	1	1	5	2	8	52
	5	E-F	7	10	0.3	1	5	2	8	55
	6	F-G	9	10	0.7	1	5	2	8	54
	7	G-H	11	10	1.3	1	5	2	8	53
Campsite Selatan 825 B	1	A-B	7	10	0.3	1	5	2	8	55
	2	B-C	11	10	1.3	3	5	2	10	57
	3	C-D	12	10	1.7	1	5	2	8	49
	4	D-E	11	10	1.3	1	5	2	8	54
	5	E-F	13	10	2.2	1	5	2	8	49
	6	F-G	11	10	1.3	1	5	2	8	54
	7	G-H	14	10	2.7	1	5	2	8	44
	8	H-I	9	10	0.7	3	5	6	14	68
	9	I-J	9	10	0.7	1	5	2	8	54
	10	J-K	11	10	1.3	1	5	2	8	53
	11	K-L	13	10	2.2	1	5	2	8	49
	12	L-M	14	10	2.7	1	5	2	8	49
	13	M-N	12	10	1.7	1	5	2	8	49
Campsite Selatan 800 C	1	A-B	13	10	2.2	1	5	2	8	49
	2	B-C	11	10	1.3	3	5	2	10	56
	3	C-D	11	10	1.3	5	5	2	12	61
	4	D-E	13	10	2.2	3	5	2	10	58
	5	E-F	10	10	1	1	5	2	8	52
	6	F-G	10	10	1	1	5	2	8	52
	7	G-H	8	10	0.5	3	5	2	10	58
	8	H-I	14	10	2.7	3	5	2	10	54
	9	I-J	8	10	0.5	1	3	2	6	48
	10	J-K	6	10	0.2	1	3	2	6	52
	11	K-L	6	10	0.2	1	5	2	8	57
	12	L-M	7	10	0.3	1	3	2	6	51
	13	M-N	7	10	0.3	1	3	2	6	51
	14	N-O	11	10	1.3	1	5	2	8	53
	15	O-P	12	10	1.7	1	5	2	8	49
	16	P-Q	17	10	4.9	1	5	2	8	45
MainRidge 780	1	A-B	8	10	0.5	3	5	2	10	58
	2	B-C	8	10	0.5	3	5	2	10	58
	3	C-D	12	10	1.7	3	5	6	14	65
	4	D-E	8	10	0.5	3	5	6	14	70
MainRidge 760	1	A-B	9	10	0.7	5	3	6	14	68
	2	B-C	5	10	0.1	3	3	6	12	68
	3	C-D	6	10	0.2	3	3	6	12	68
	4	D-E	8	10	0.5	3	3	6	12	64
	5	E-F	7	10	0.3	3	5	4	12	65
	6	F-G	8	10	0.5	5	5	2	12	64
	7	G-H	10	10	1	5	5	2	12	63
	8	H-I	8	10	0.5	5	6	6	17	78
	9	I-J	7	10	0.3	5	3	6	14	75
	10	J-K	10	10	1	5	3	2	10	58
	11	K-L	10	10	1	5	3	2	10	58
	12	L-M	10	10	1	5	5	2	12	63
	13	M-N	10	10	1	3	5	6	14	69

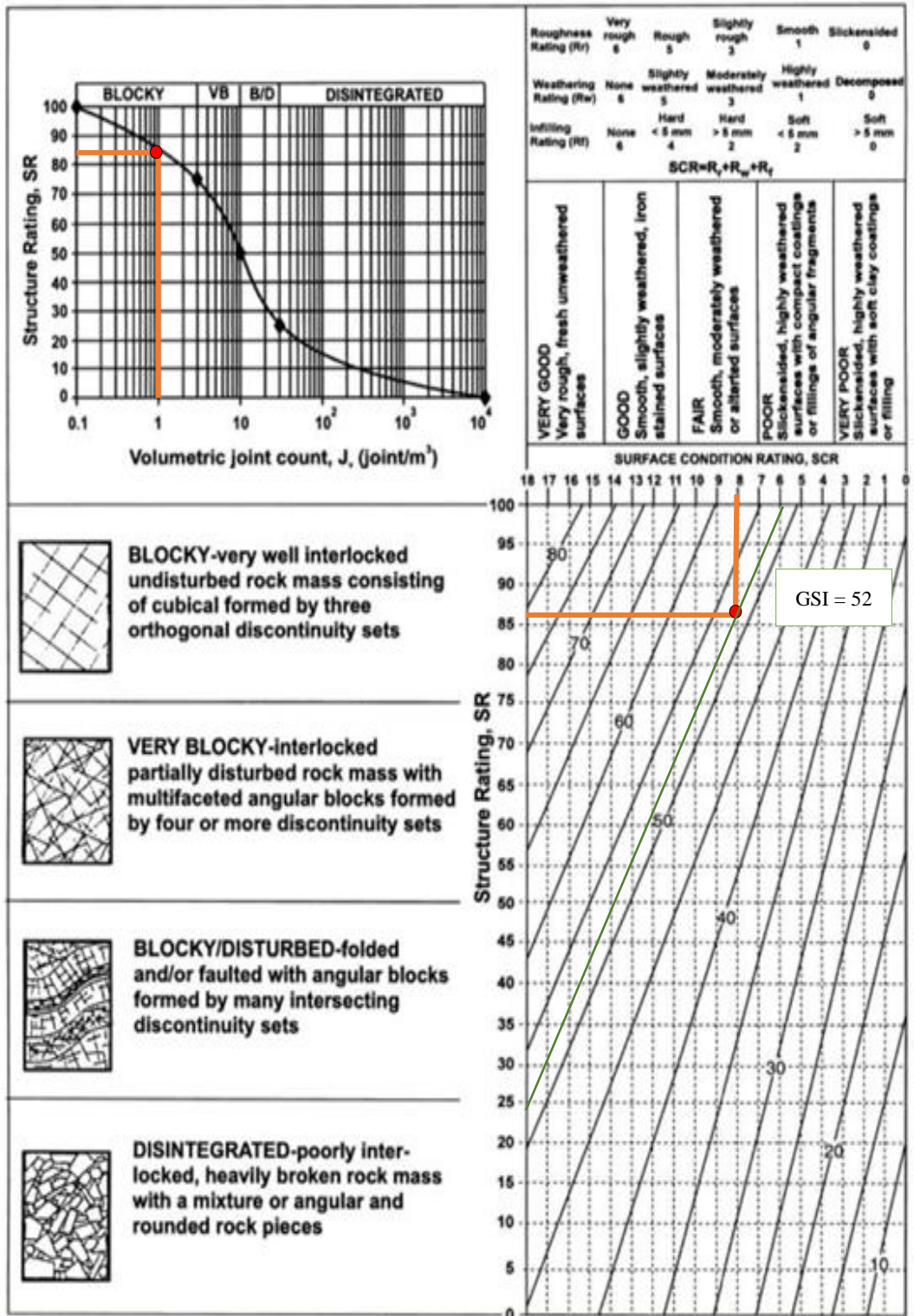
2. Grafik GSI

1. Segmen Campsite Selatan 840 A-B



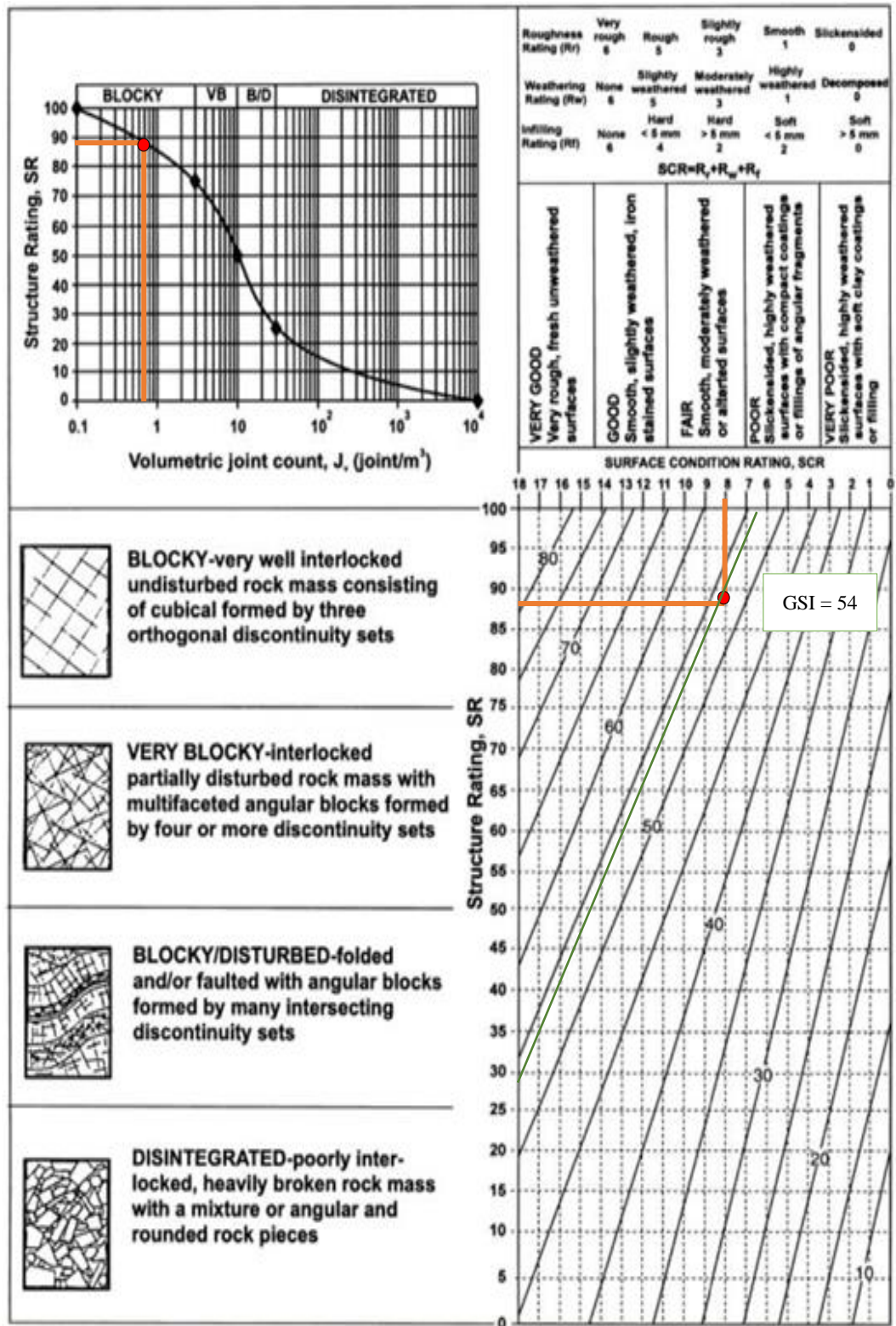
Gambar B. 1. Hasil Nilai GSI Segmen Campsite 840 A-B

2. Segmen Campsite Selatan 840 B-C



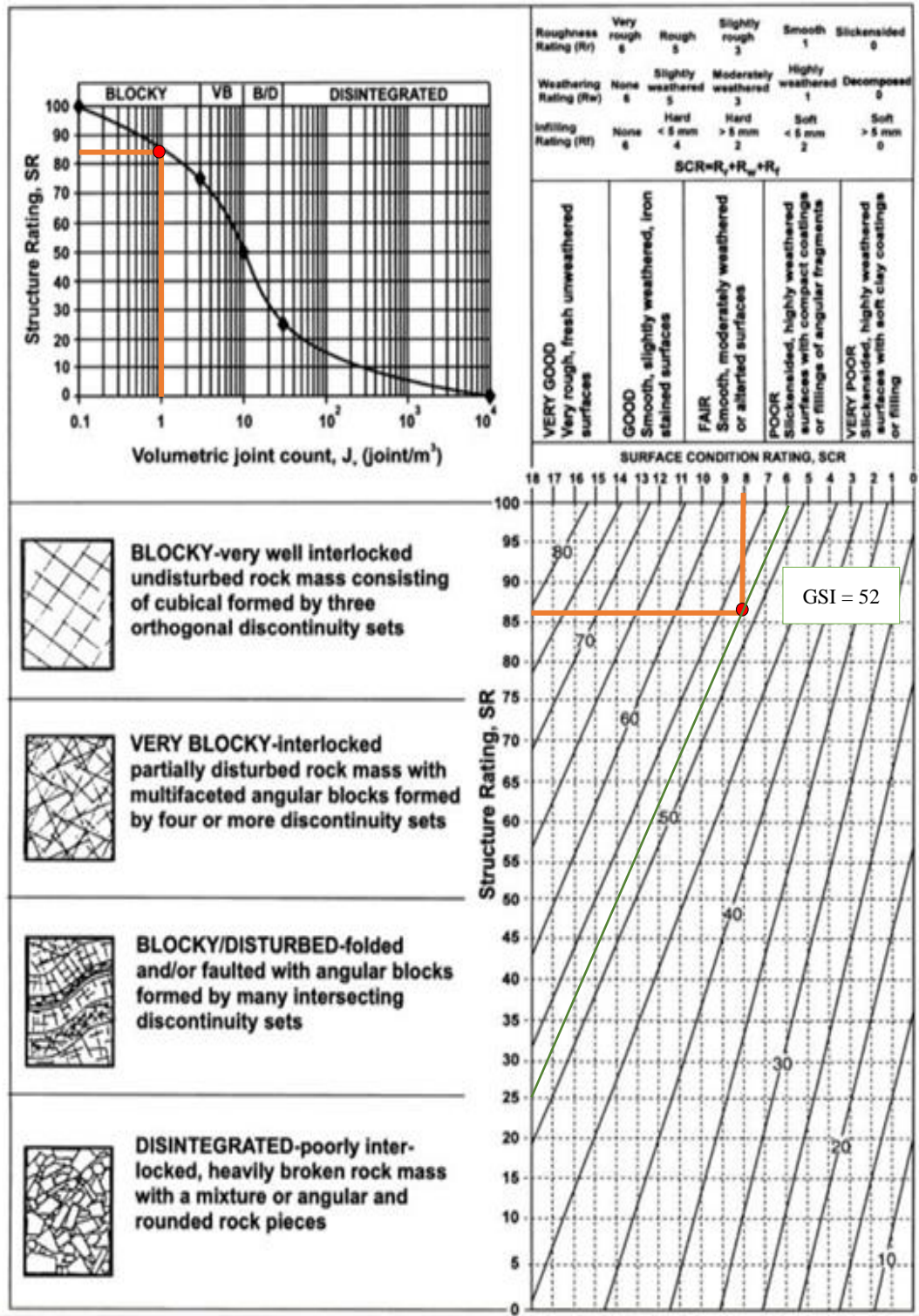
Gambar B. 2. Hasil Nilai GSI Segmen Campsite 840 B-C

3. Segmen Campsite Selatan 840 C-D



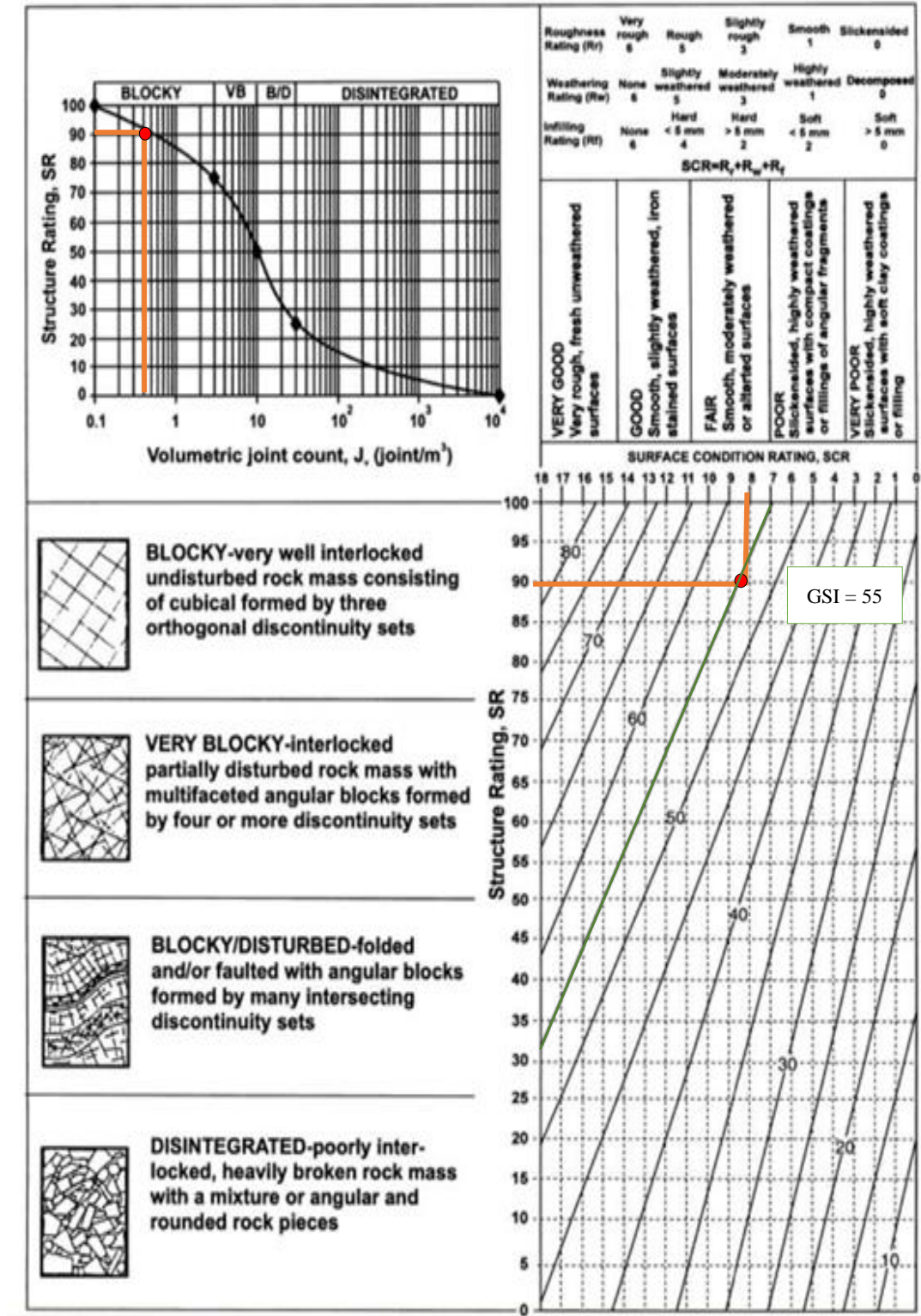
Gambar B. 3. Hasil Nilai GSI Segmen Campsite 840 C-D

4. Segmen Campsite Selatan 840 D-E



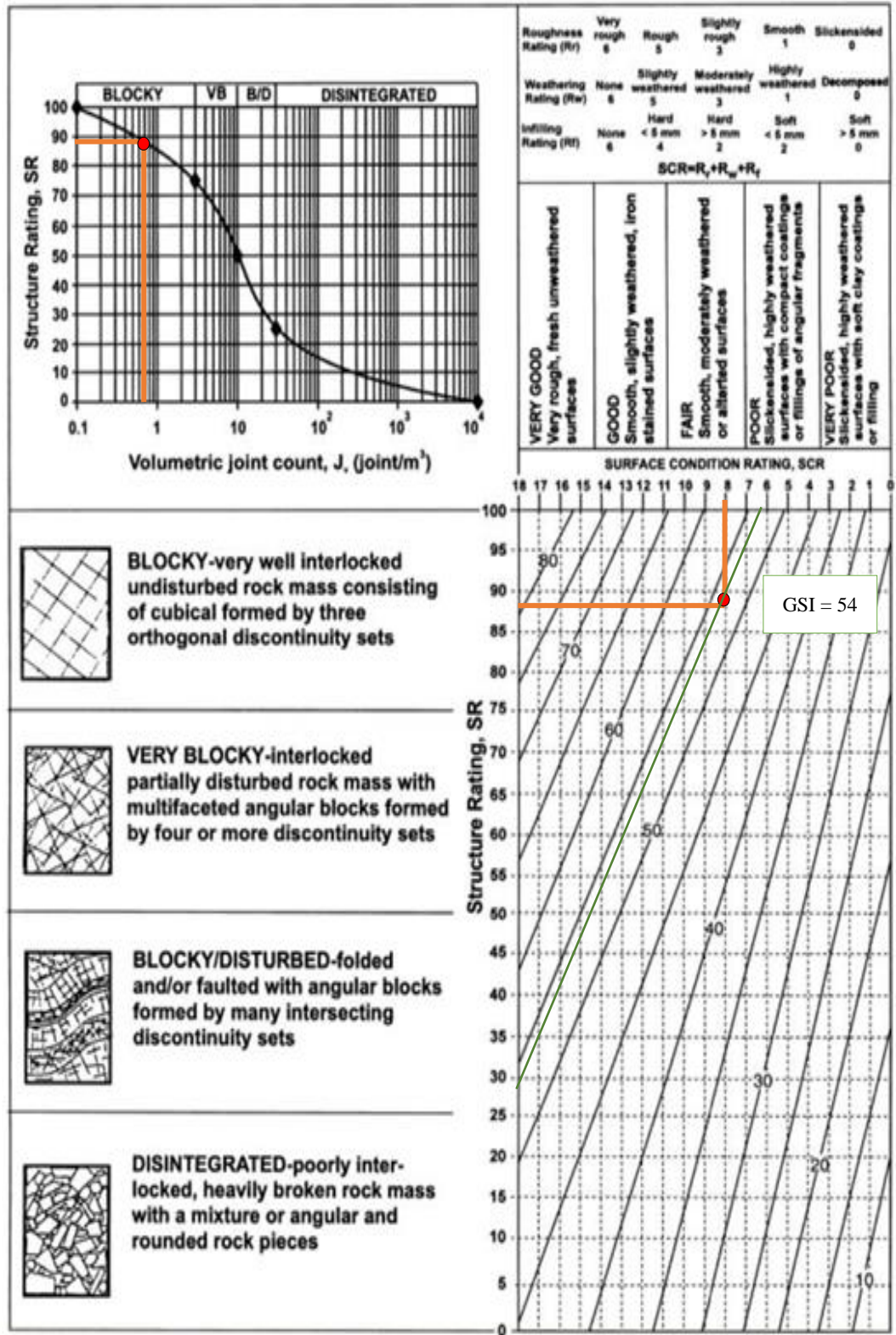
Gambar B. 4. Hasil Nilai GSI Segmen Campsite 840 D-E

5. Segmen Campsite Selatan 840 E-F



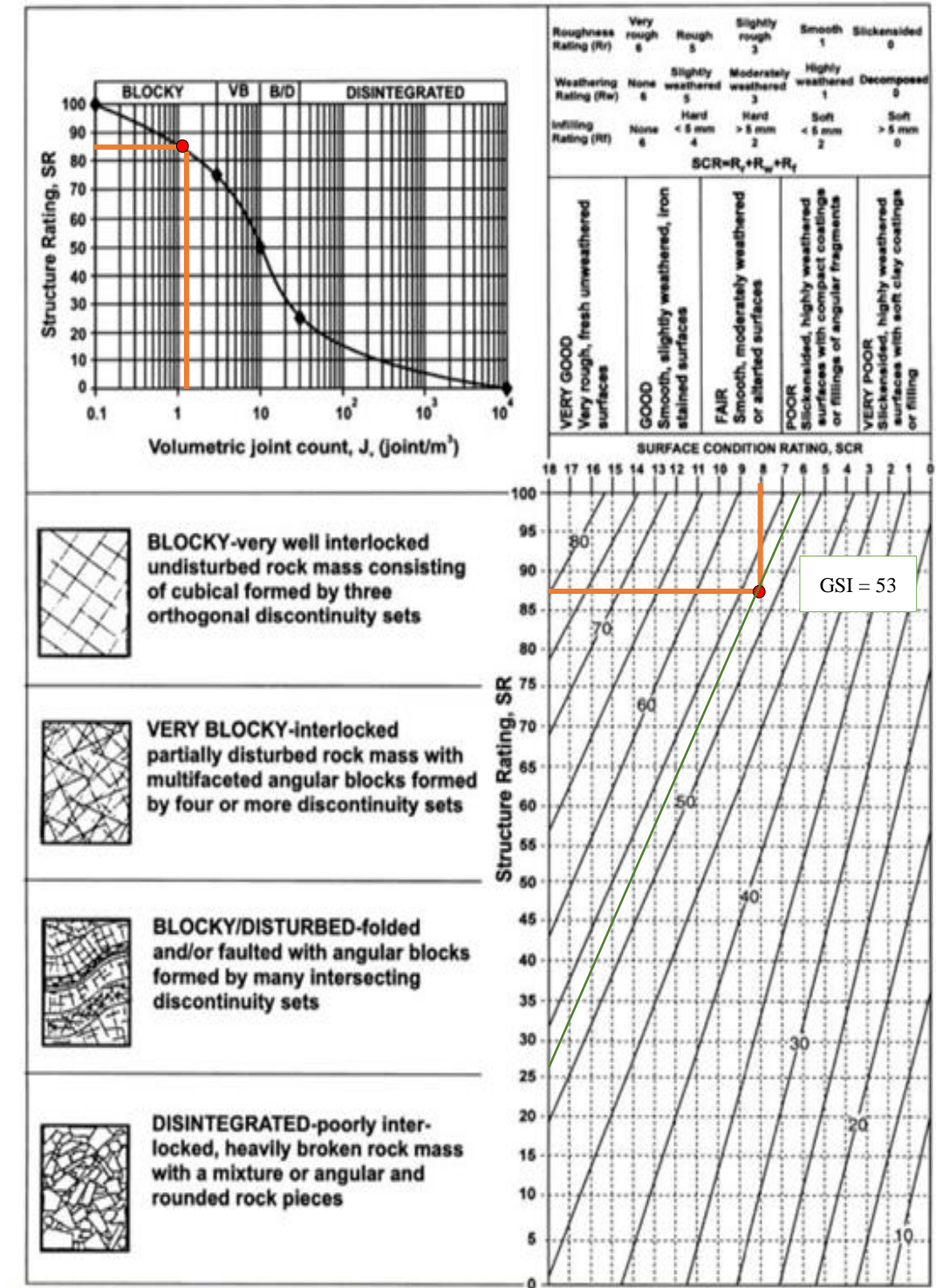
Gambar B. 5. Hasil Nilai GSI Segmen Campsite 840 E-F

6. Segmen Campsite Selatan 840 F-G



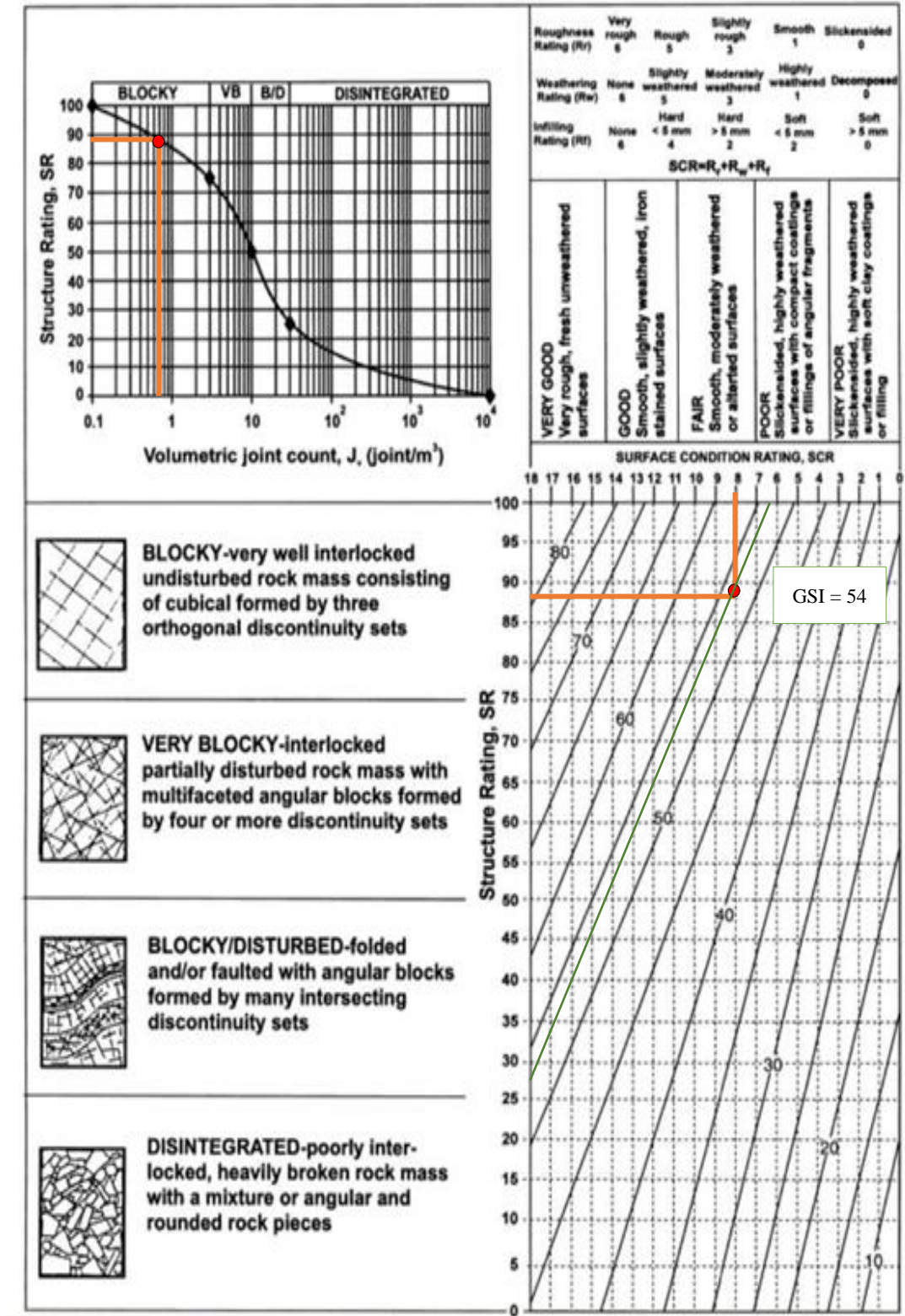
Gambar B. 6. Hasil Nilai GSI Segmen Campsite 840 F-G

7. Segmen Campsite Selatan 840 G-H



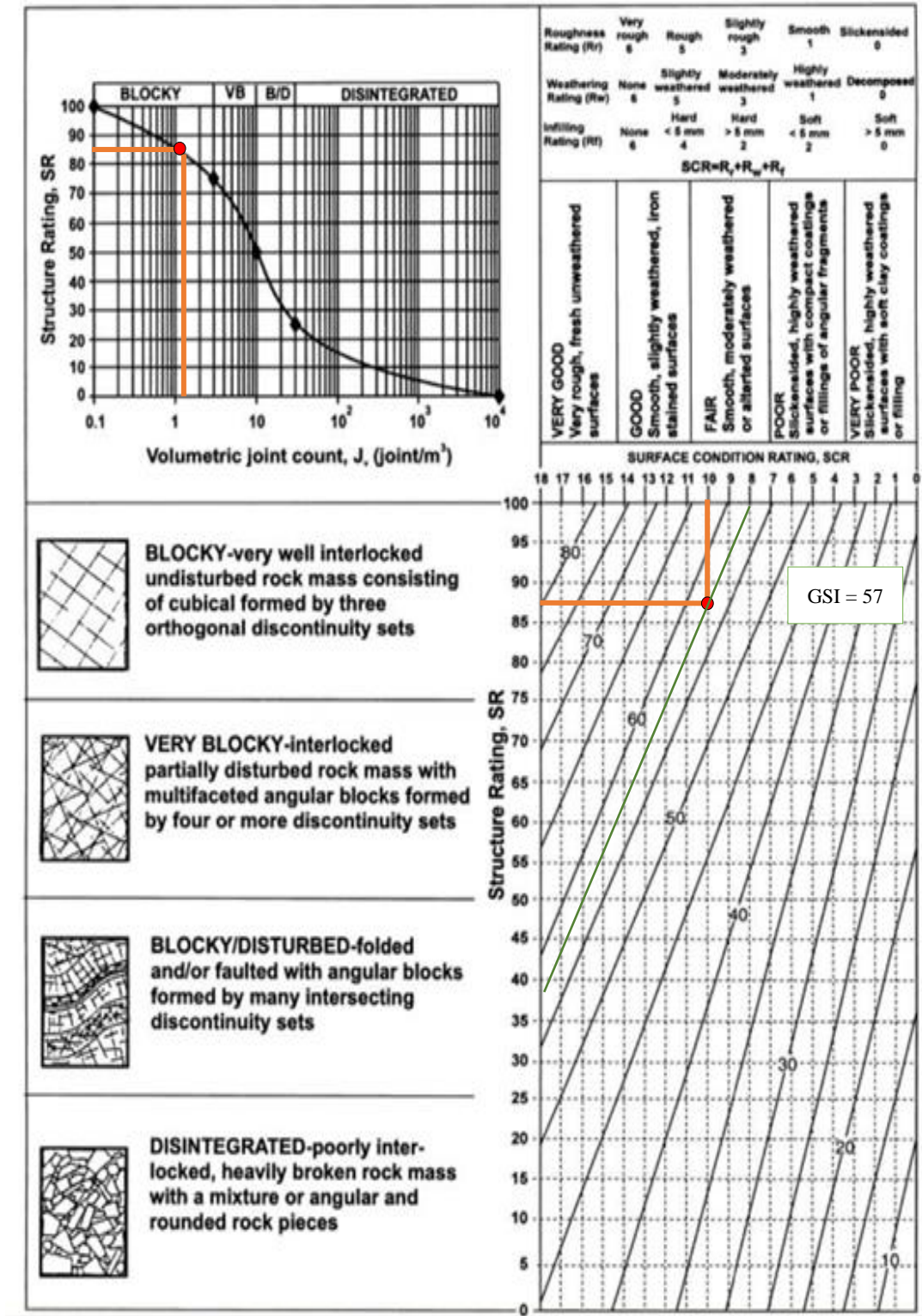
Gambar B. 7. Hasil Nilai GSI Segmen Campsite 840 G-H

8. Segmen Campsite Selatan 825 A-B



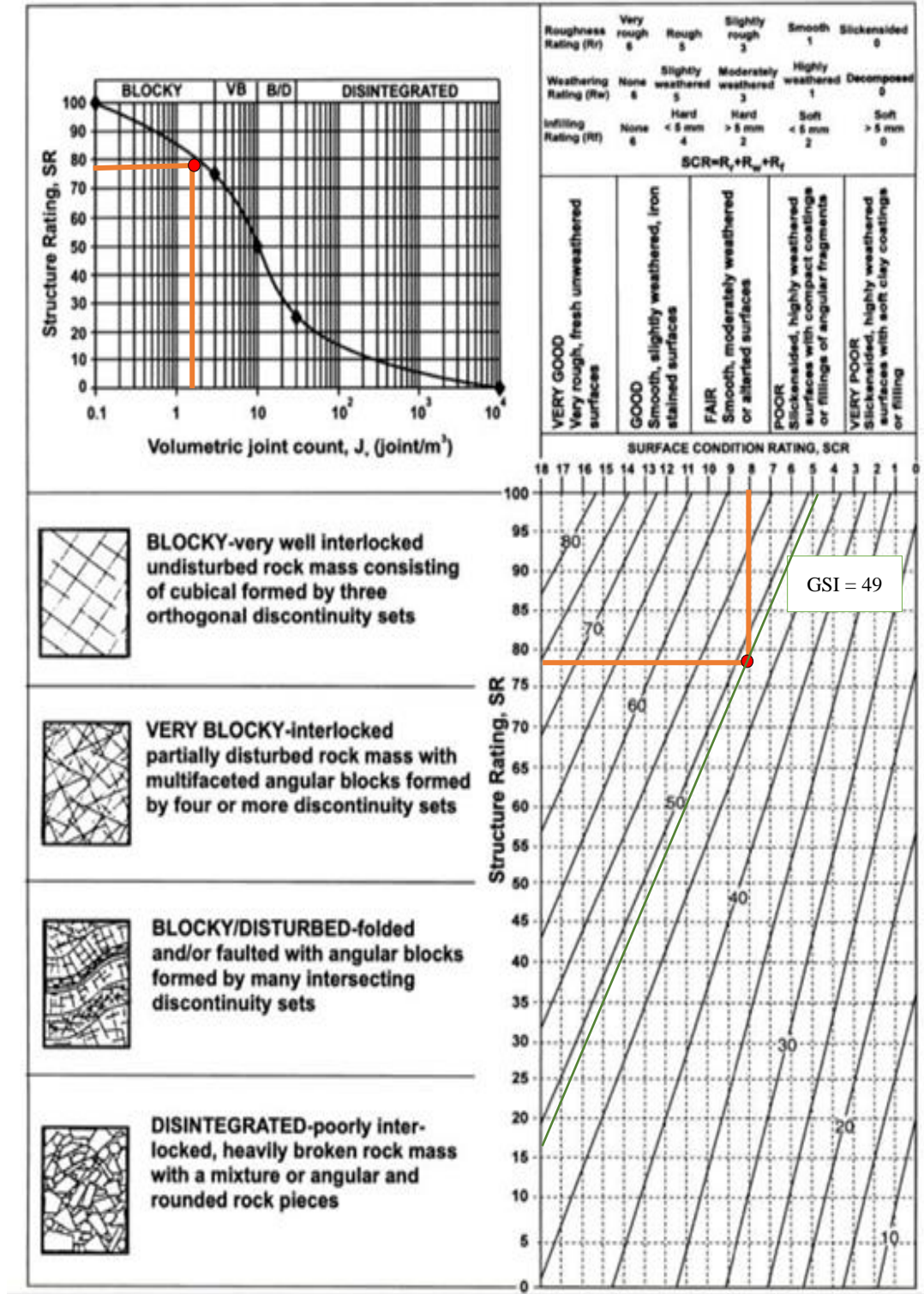
Gambar B. 8. Hasil Nilai GSI Segmen Campsite 825 A-B

9. Segmen Campsite Selatan 825 B-C



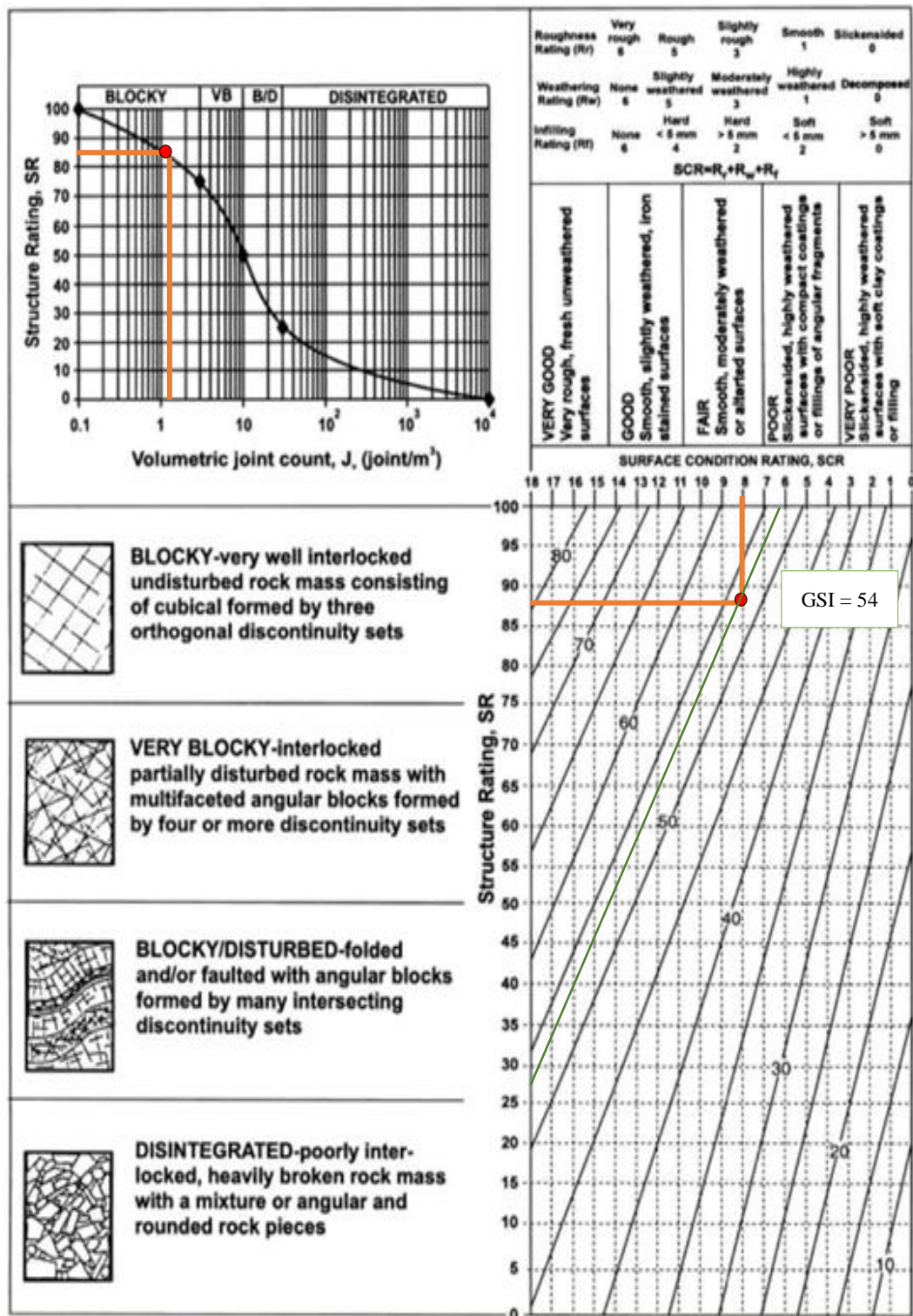
Gambar B. 9. Hasil Nilai GSI Segmen Campsite 825 B-C

10. Segmen Campsite Selatan 825 C-D



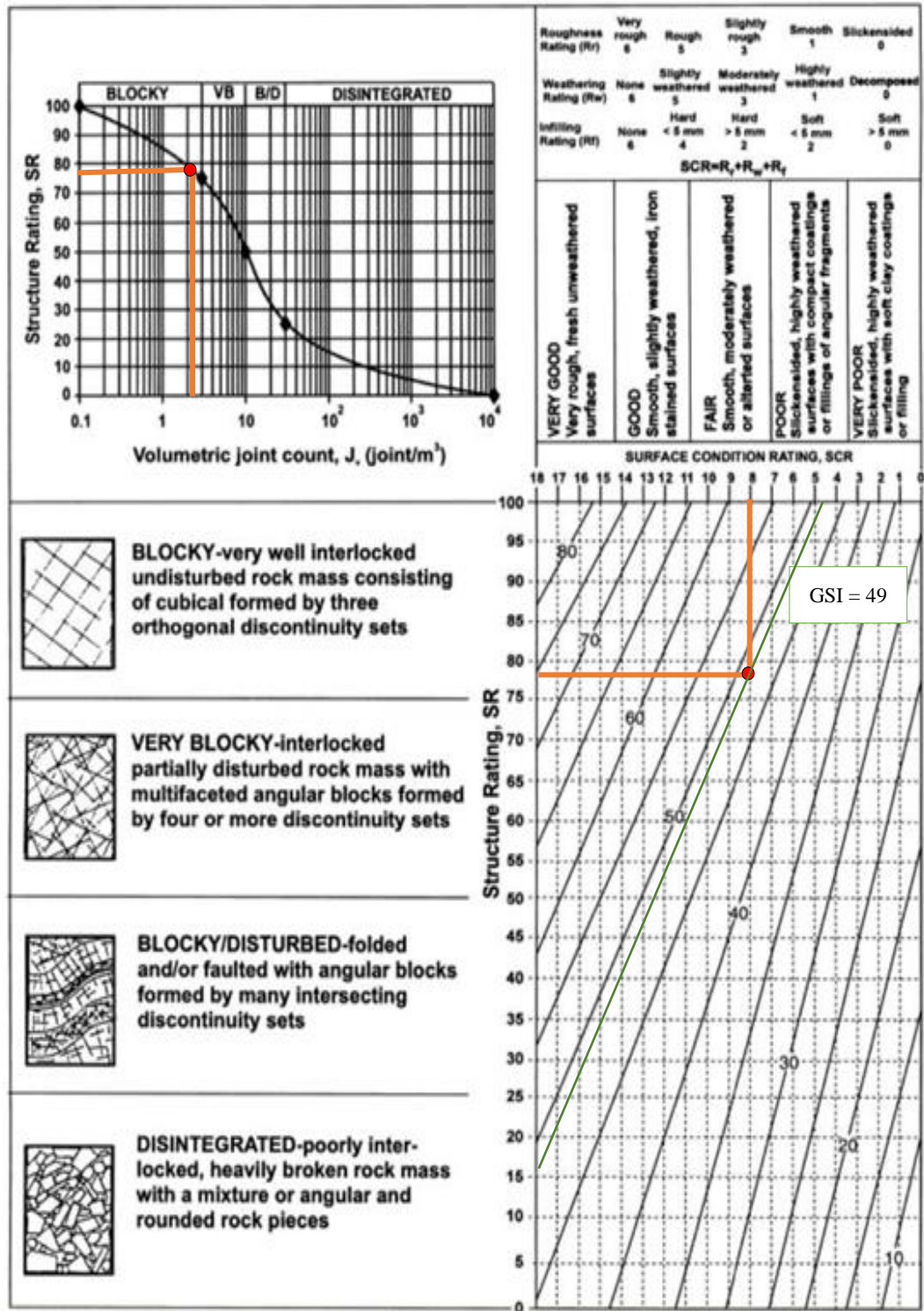
Gambar B. 10. Hasil Nilai GSI Segmen Campsite Selatan 825 C-D

11. Segmen Campsite Selatan 825 D-E



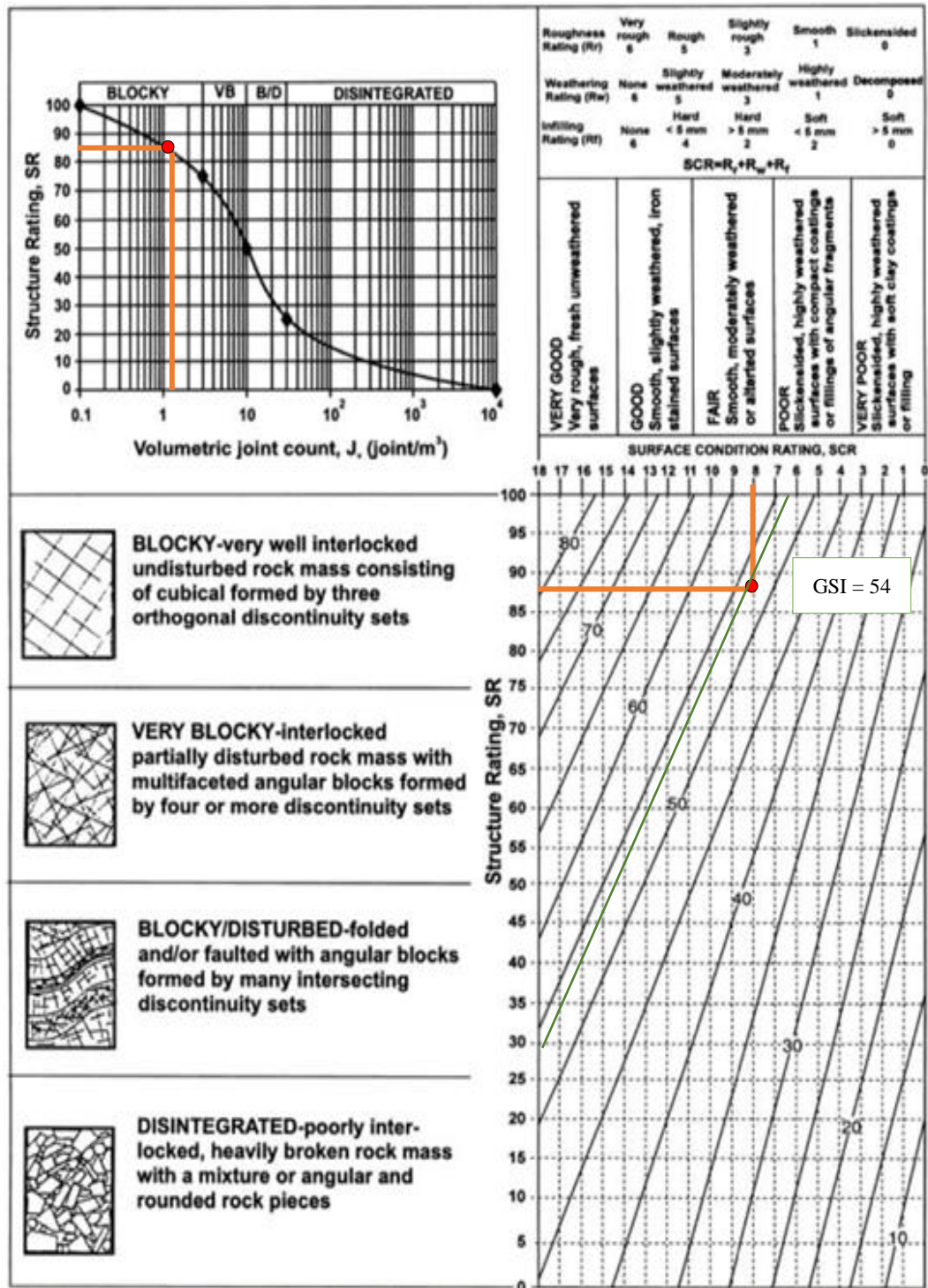
Gambar B. 11. Hasil Nilai GSI Segmen Campsite 825 D-E

12. Segmen Campsite Selatan 825 E-F



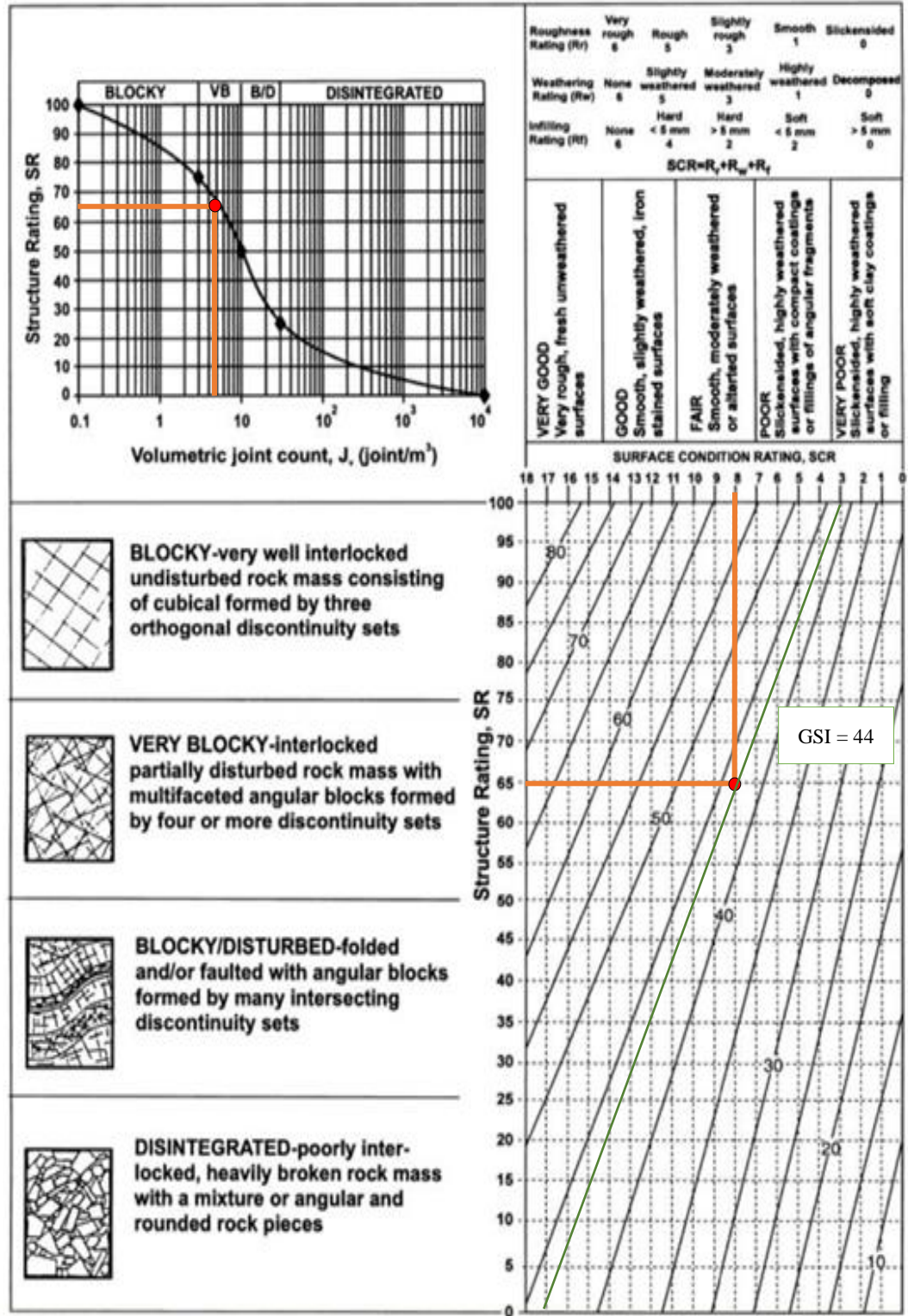
Gambar B. 12. Hasil Nilai GSI Segmen Campsite Selatan 825 E-F

13. Segmen Campsite Selatan 825 F-G



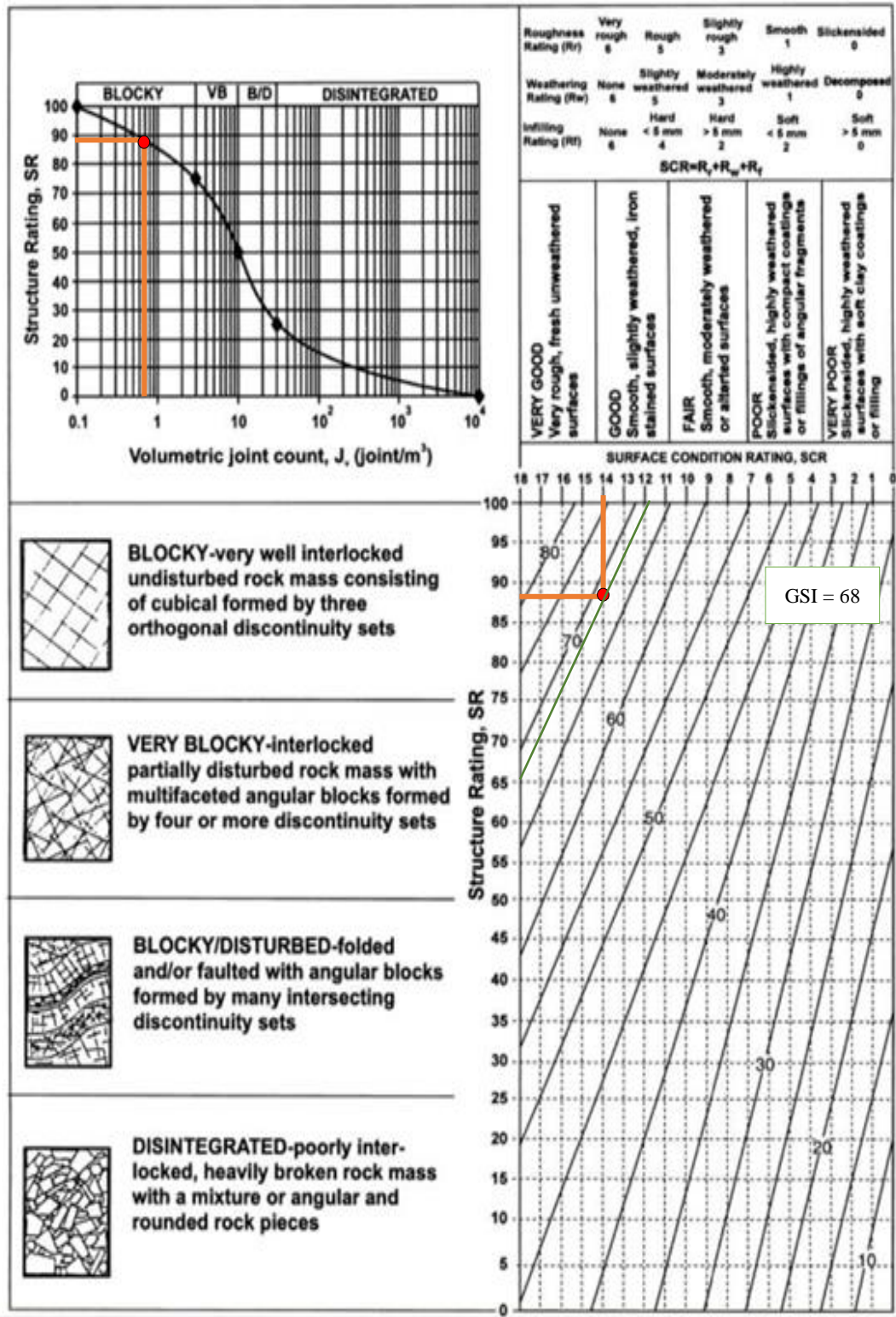
Gambar B. 13. Hasil Nilai GSI Segmen Campsite 825 F-G

14. Segmen Campsite Selatan 825 G-H



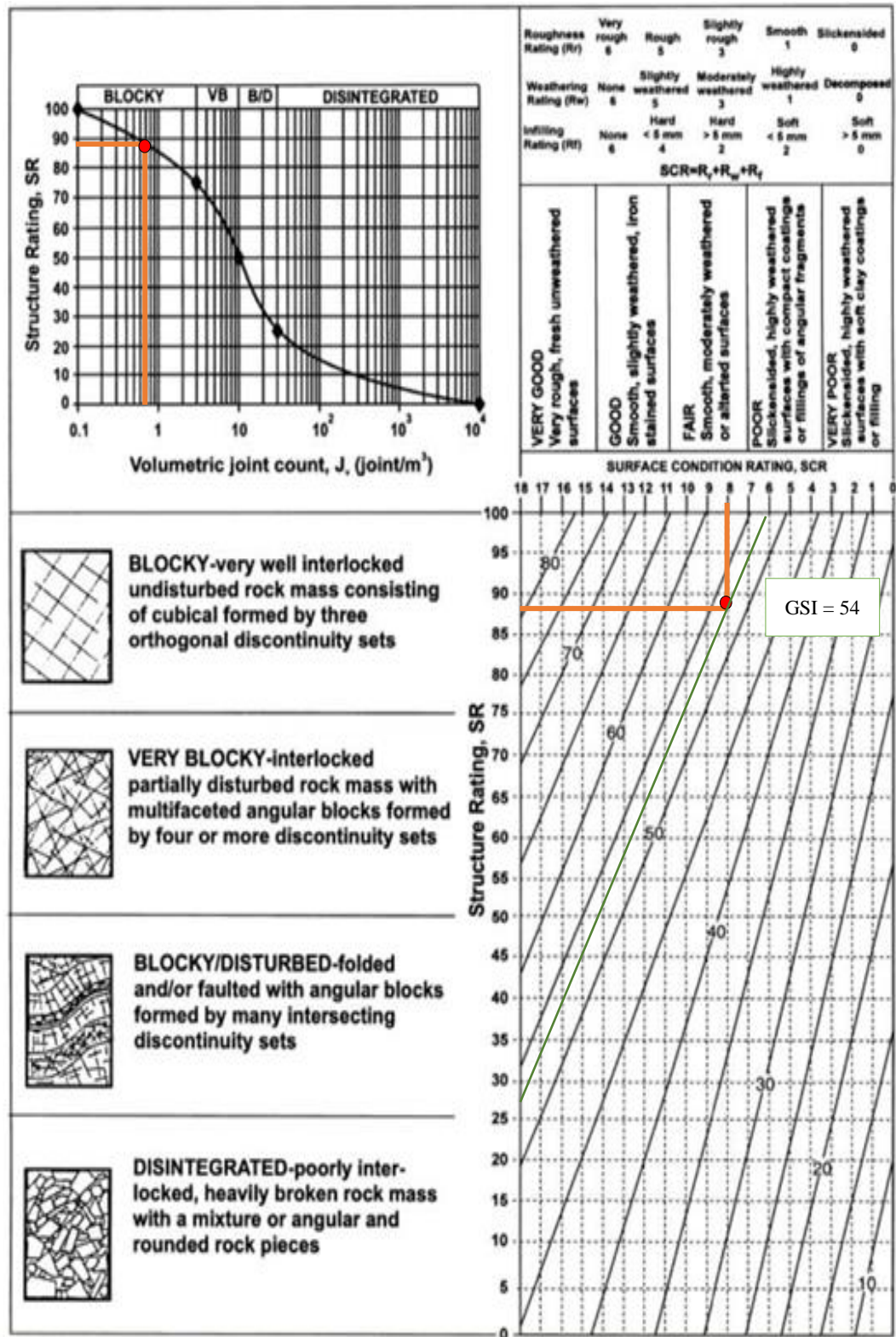
Gambar B. 14. Hasil Nilai GSI Segmen Campsite 825 G-H

15. Segmen Campsite Selatan 825 H-I



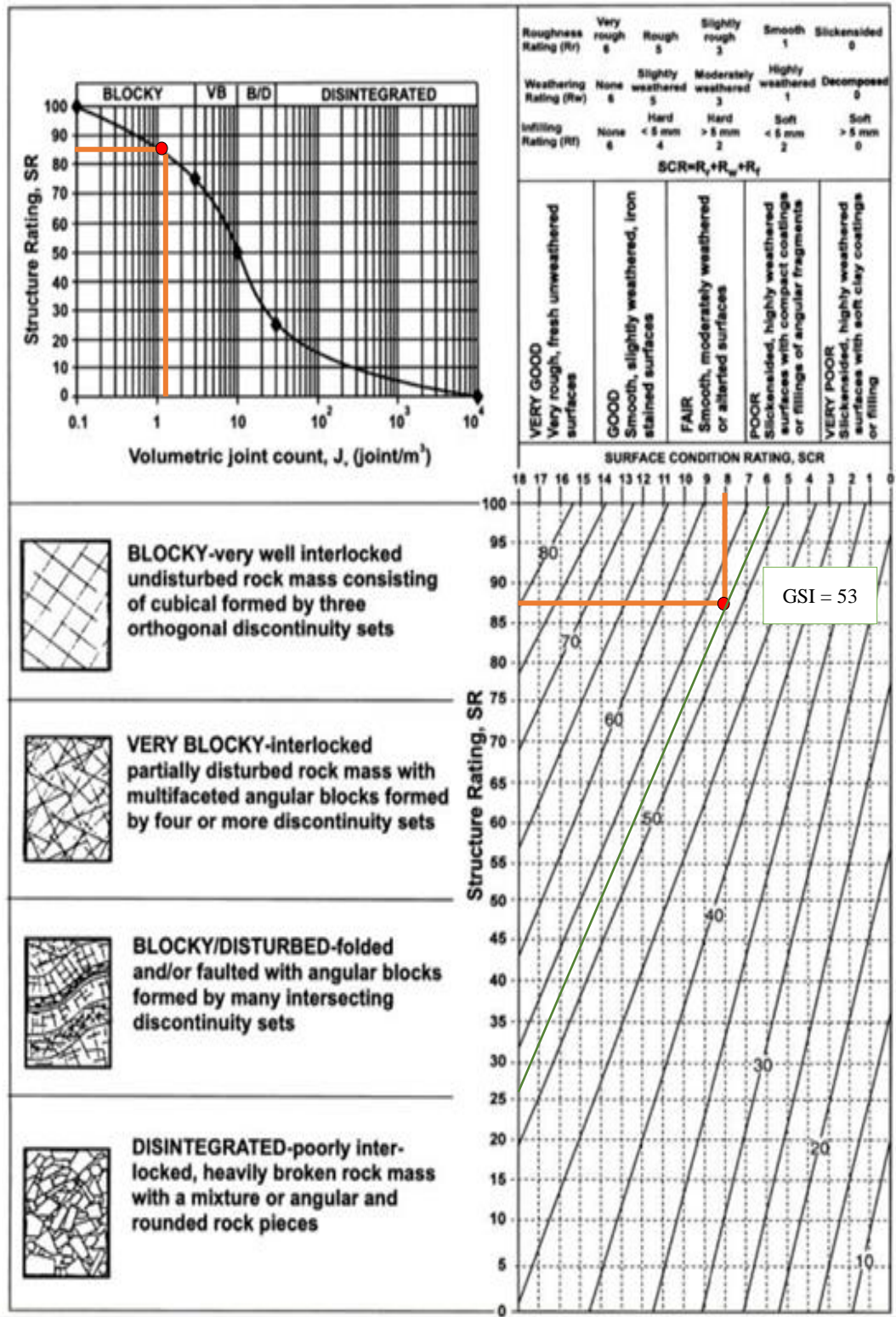
Gambar B. 15. Hasil Nilai GSI Segmen Campsite 825 H-I

16. Segmen Campsite Selatan 825 I-J



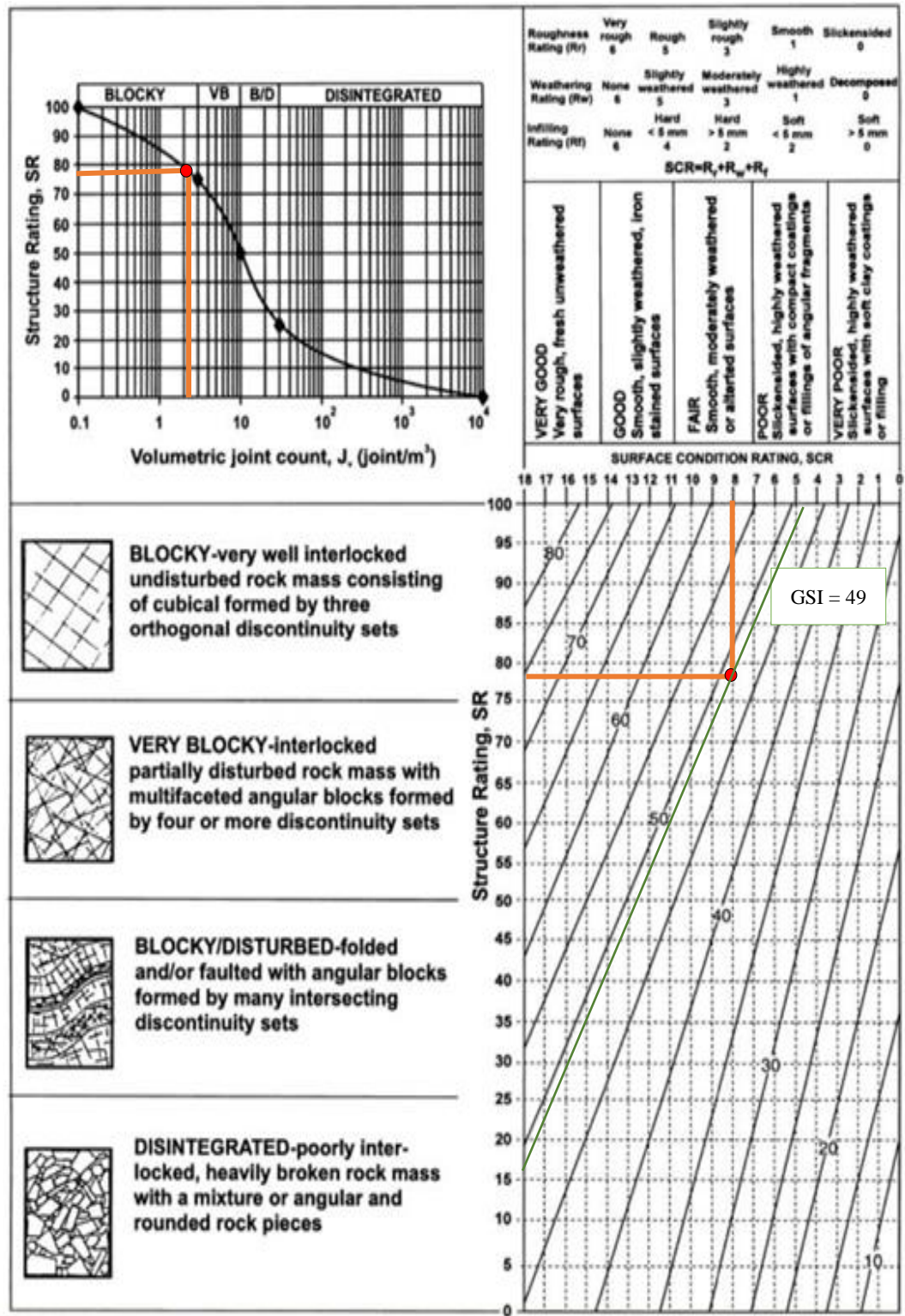
Gambar B. 16. Hasil Nilai GSI Segmen Campsite Selatan 825 I-J

17. Segmen Campsite Selatan 825 J-K



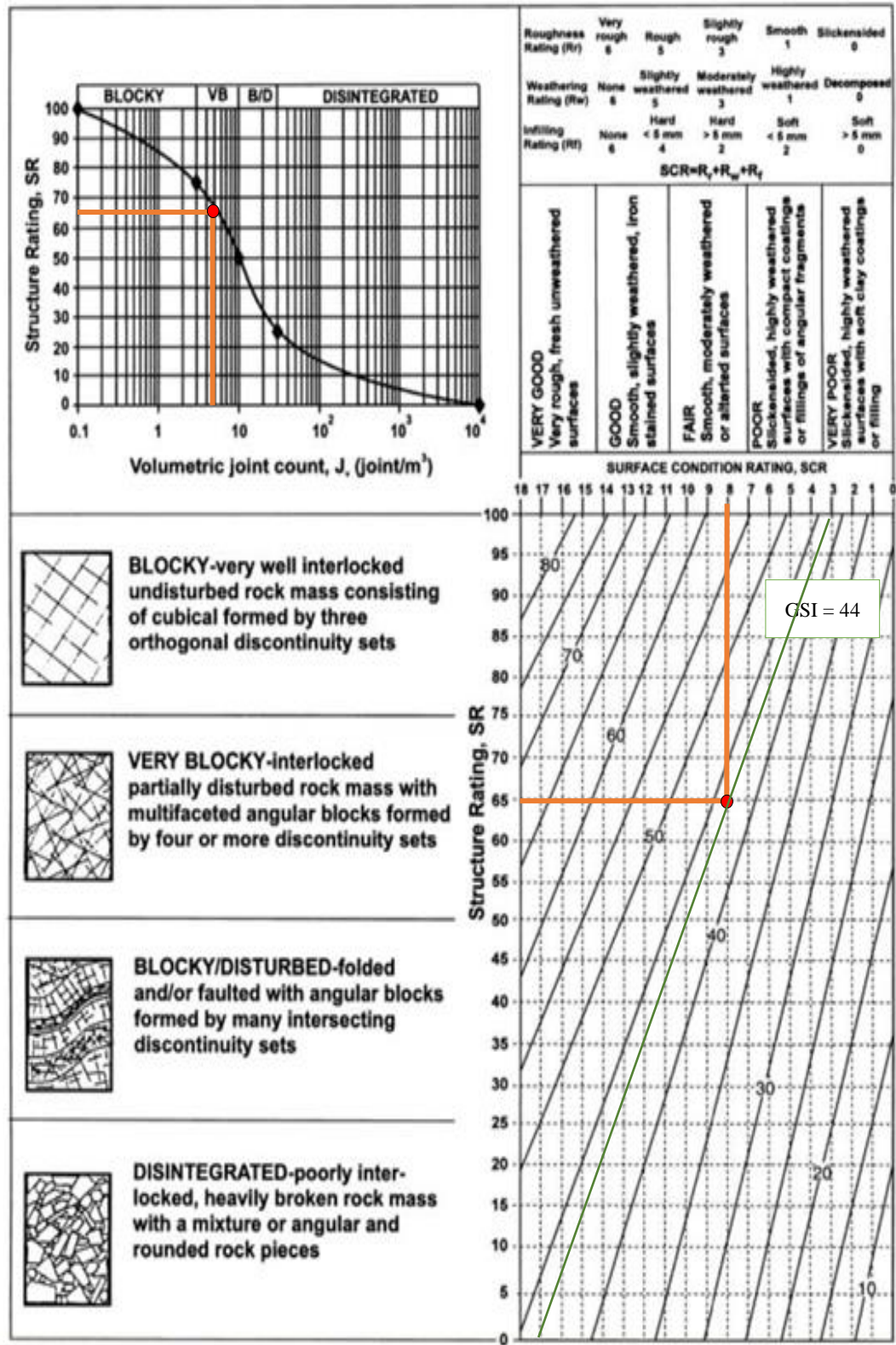
Gambar B. 17. Hasil Nilai GSI Segmen Campsite Selatan 825 J-K

18. Segmen Campsite Selatan 825 K-L



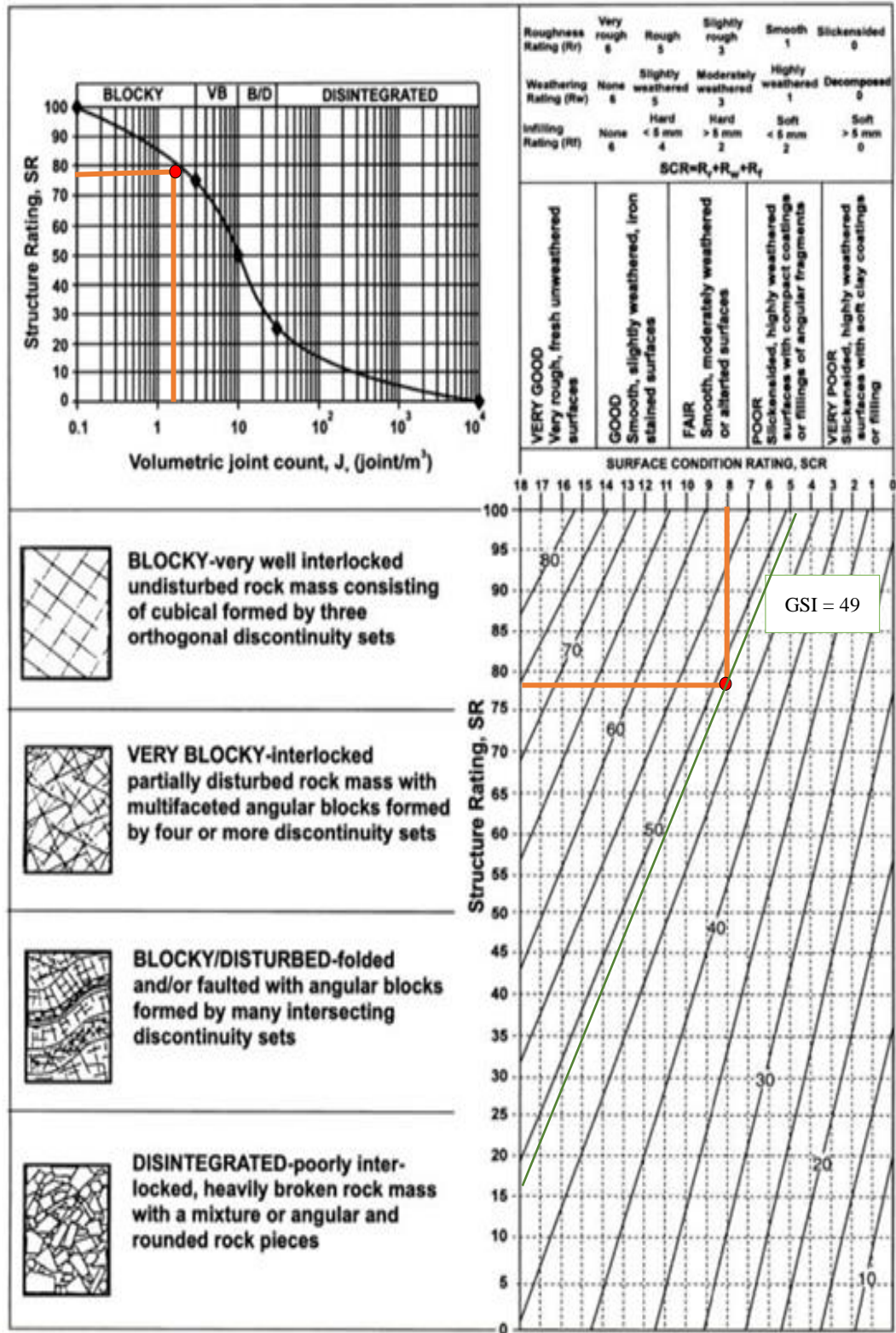
Gambar B. 18. Hasil Nilai GSI Segmen Campsite 825 K-L

19. Segmen Campsite Selatan 825 L-M



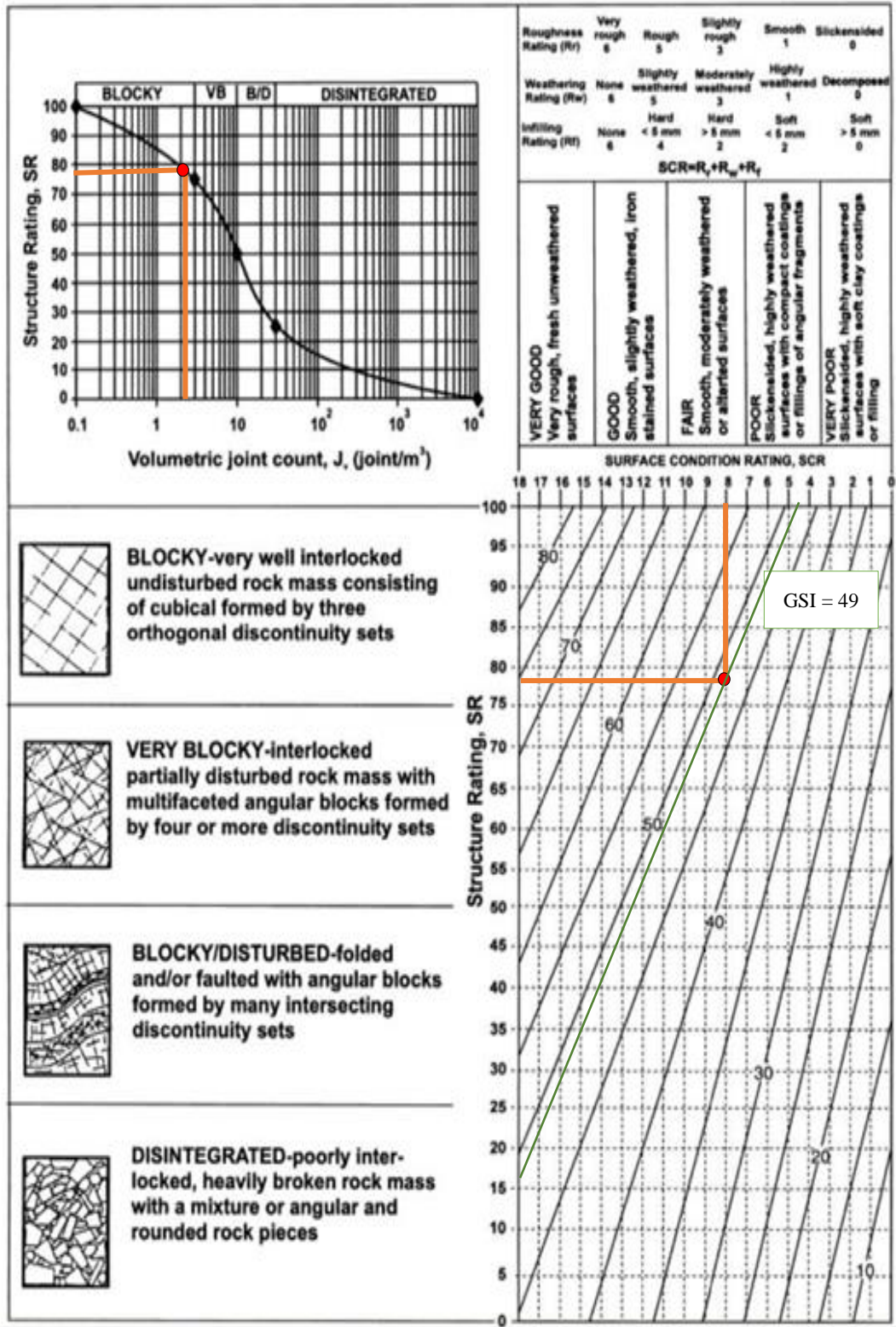
Gambar B. 19. Hasil Nilai GSI Segmen Campsite 825 L-M

20. Segmen Campsite Selatan 825 M-N



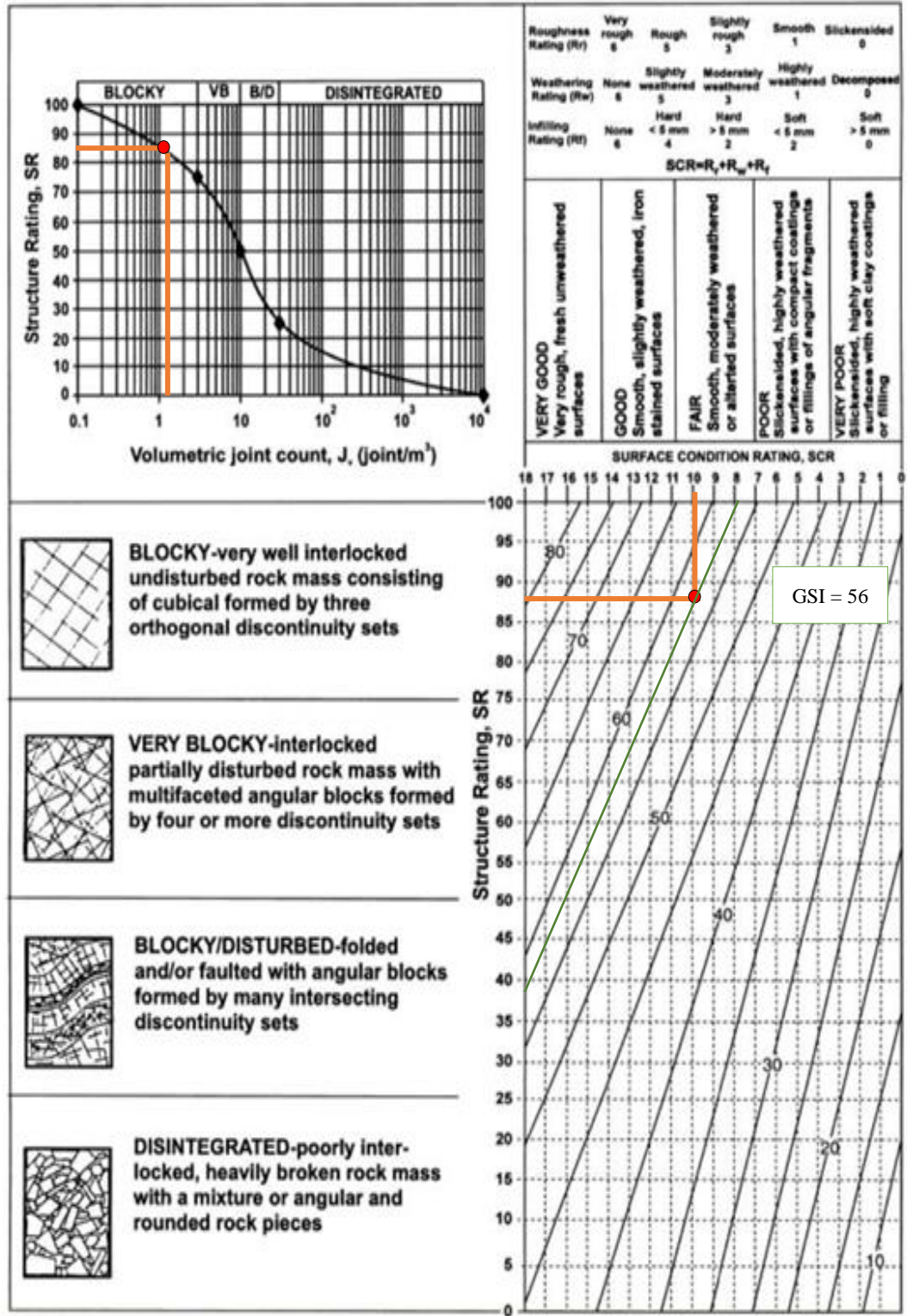
Gambar B. 20. Hasil Nilai GSI Segmen Campsite 825 M-N

21. Segmen Campsite Selatan 800 A-B



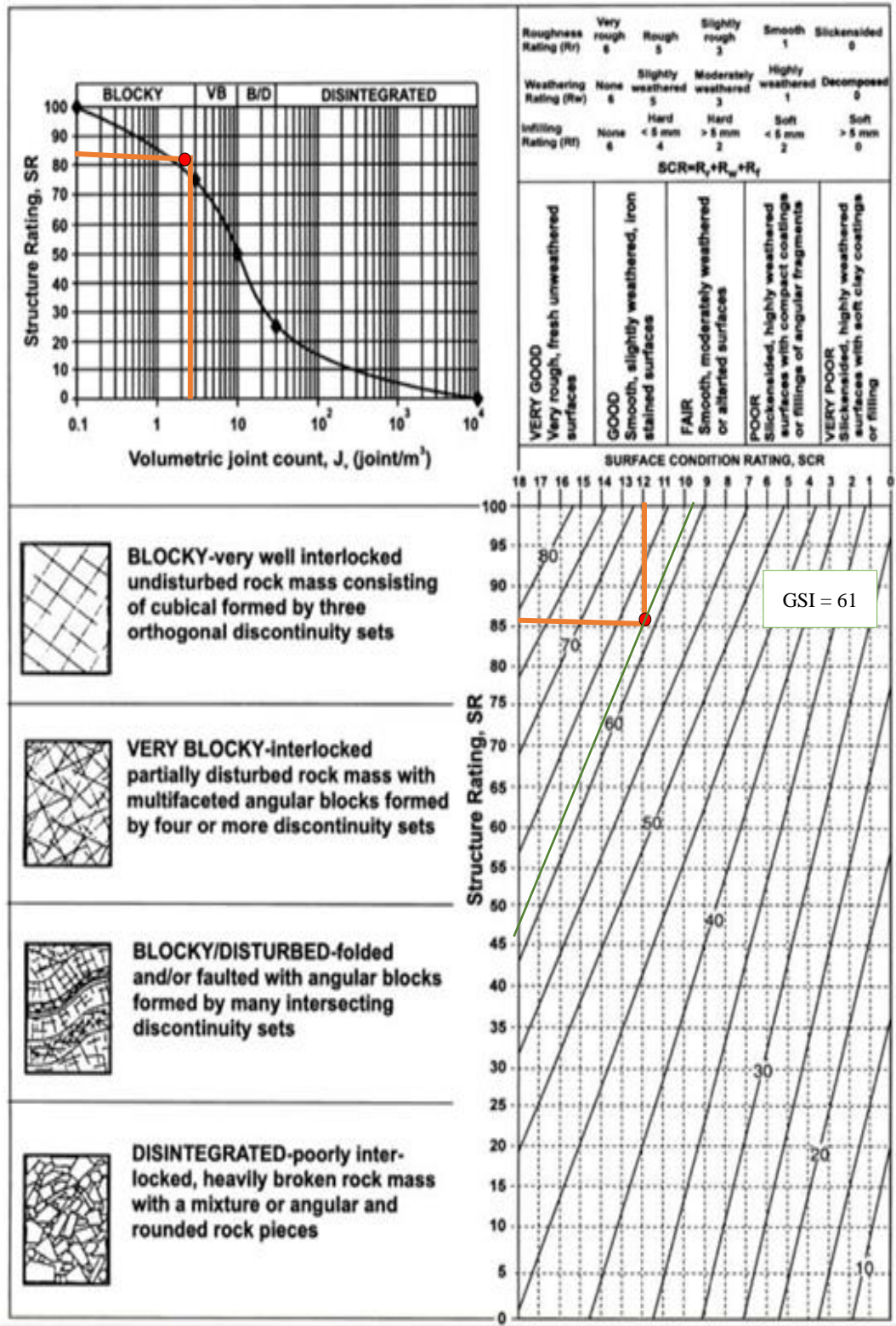
Gambar B. 21. Hasil Nilai GSI Segmen Campsite Selatan 800 A-B

22. Segmen Campsite Selatan 800 B-C



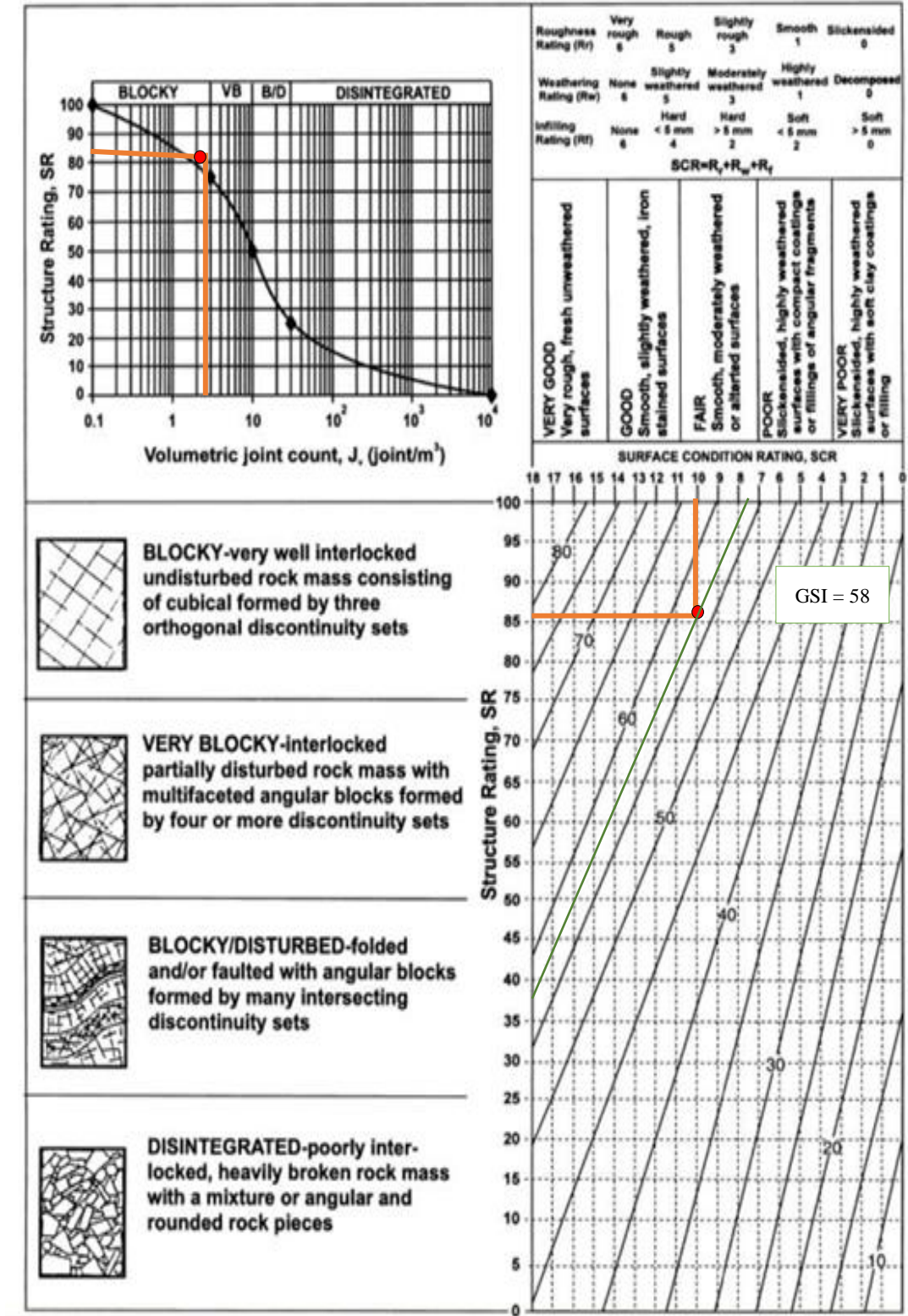
Gambar B. 22. Hasil Nilai GSI Segmen Campsite Selatan 800 B-C

23. Segmen Campsite Selatan 800 C-D



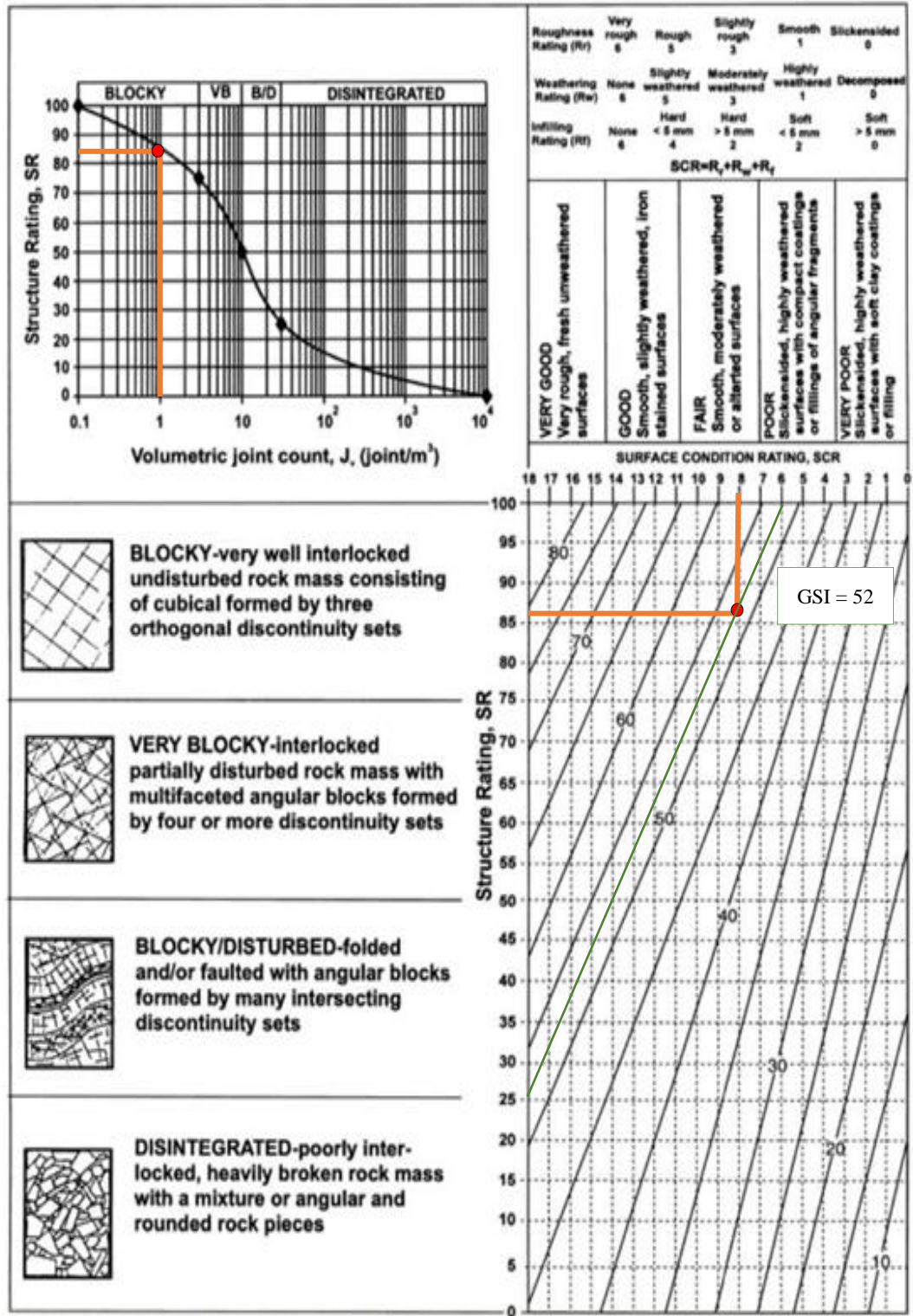
Gambar B. 23. Hasil Nilai GSI Segmen Campsite Selatan 800 C-D

24. Segmen Campsite Selatan 800 D-E



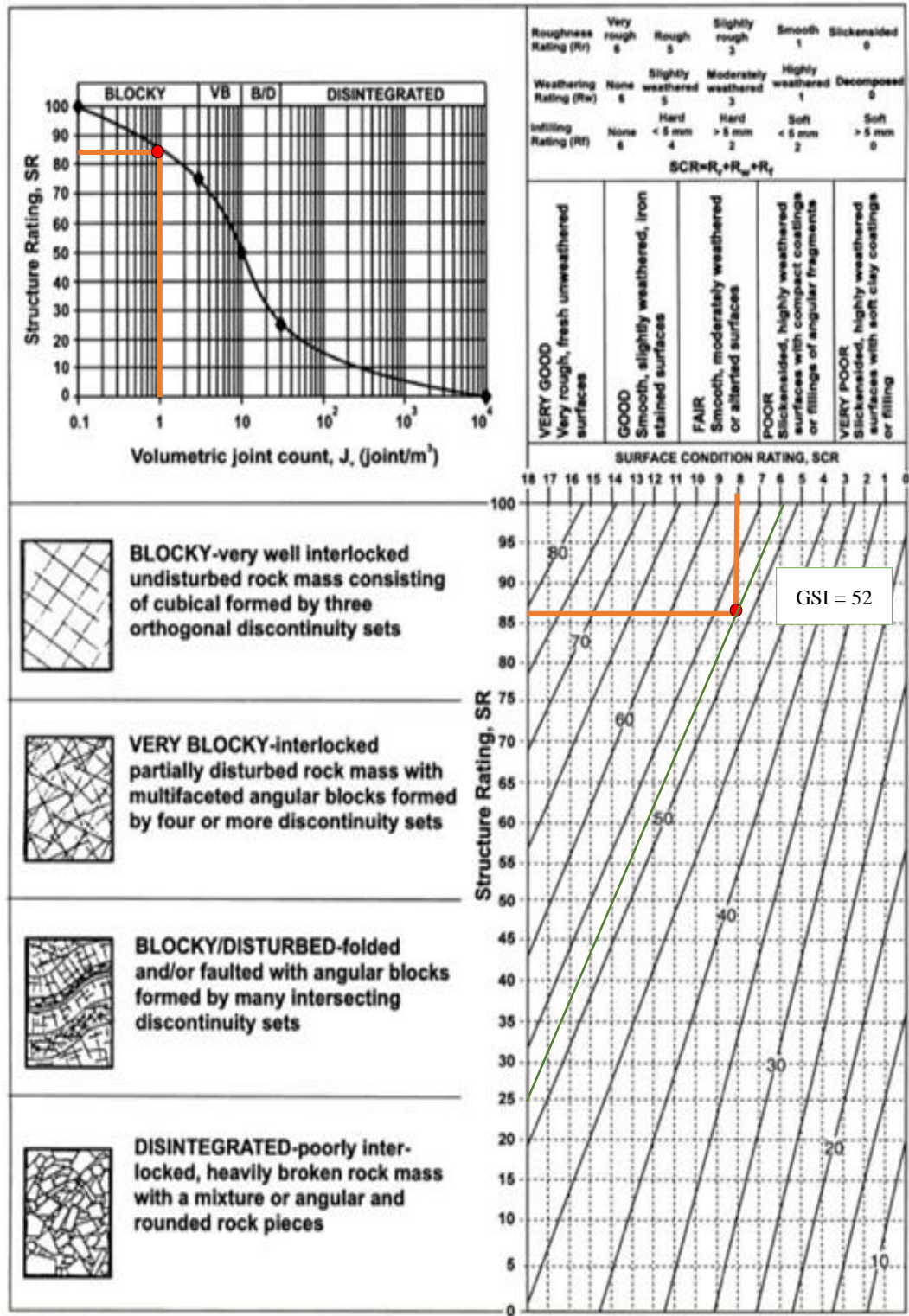
Gambar B. 24. Hasil Nilai GSI Segmen Campsite Selatan 800 D-E

25. Segmen Campsite Selatan 800 E-F



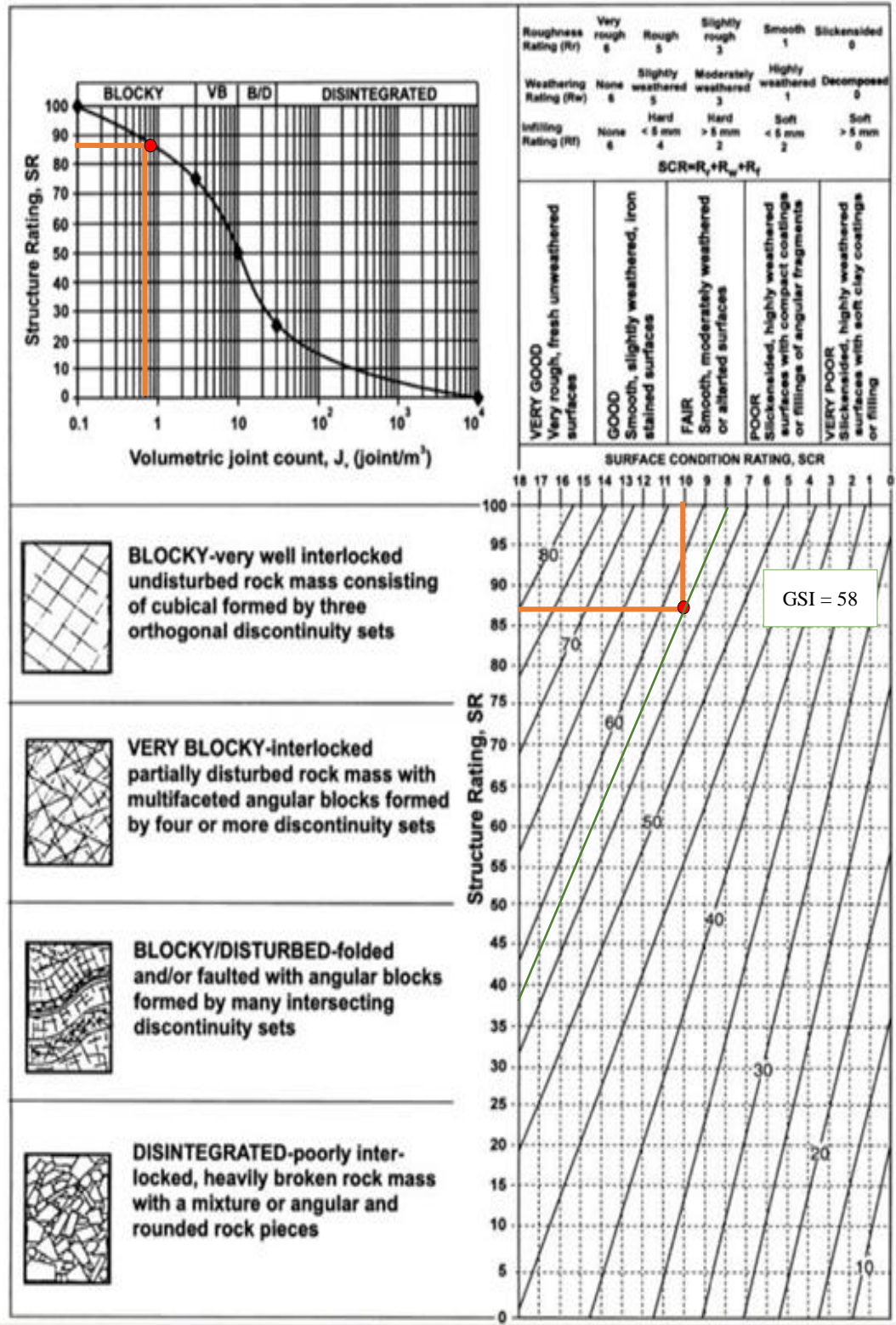
Gambar B. 25. Hasil Nilai GSI Segmen Campsite Selatan 800 E-F

26. Segmen Campsite Selatan 800 F-G



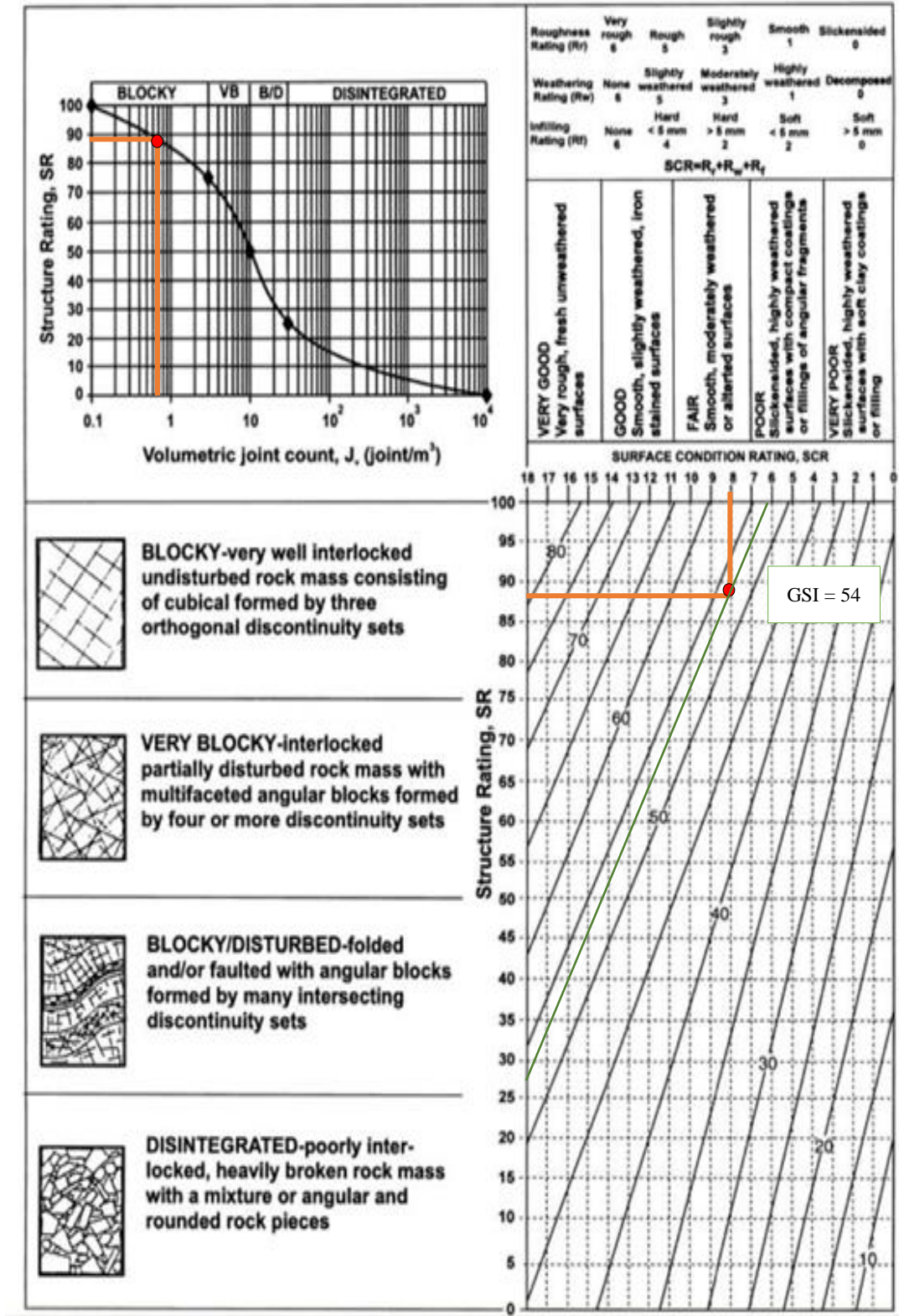
Gambar B. 26. Hasil Nilai GSI Segmen Campsite Selatan 800 F-G

27. Segmen Campsite Selatan 800 G-H



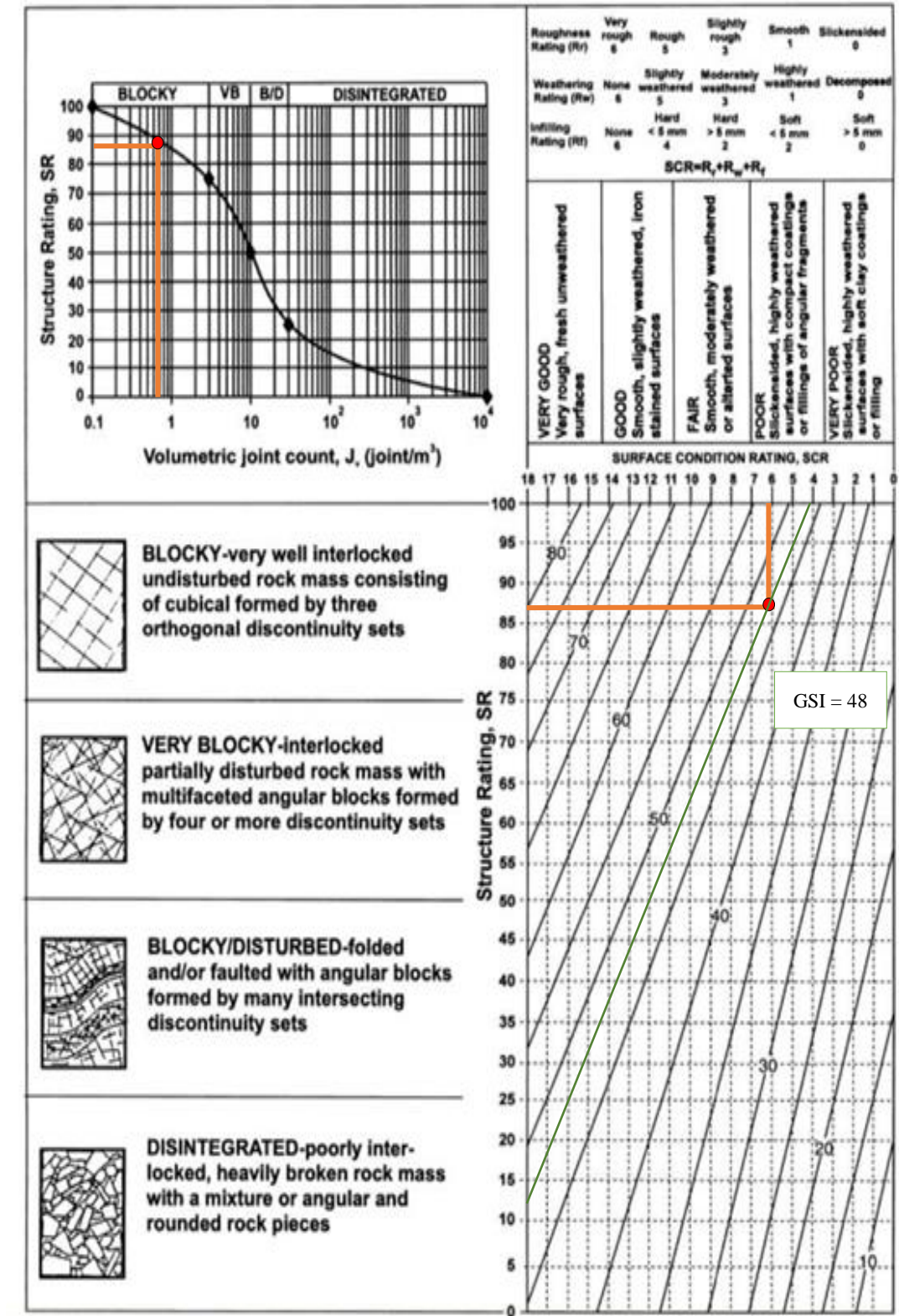
Gambar B. 27. Hasil Nilai GSI Segmen Campsite Selatan 800 G-H

28. Segmen Campsite Selatan 800 H-I



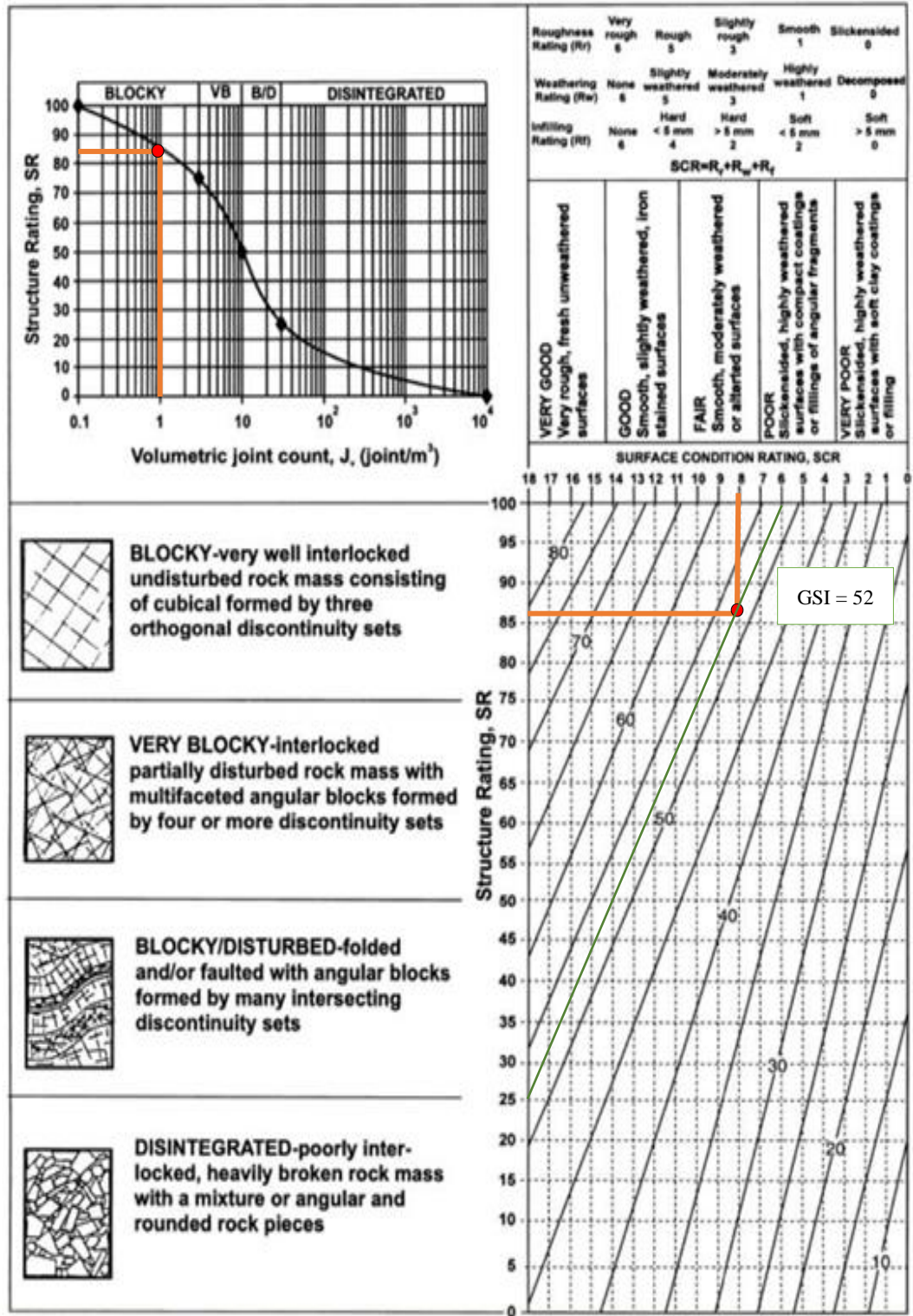
Gambar B. 28. Hasil Nilai GSI Segmen Campsite Selatan 800 H-I

29. Segmen Campsite Selatan 800 I-J



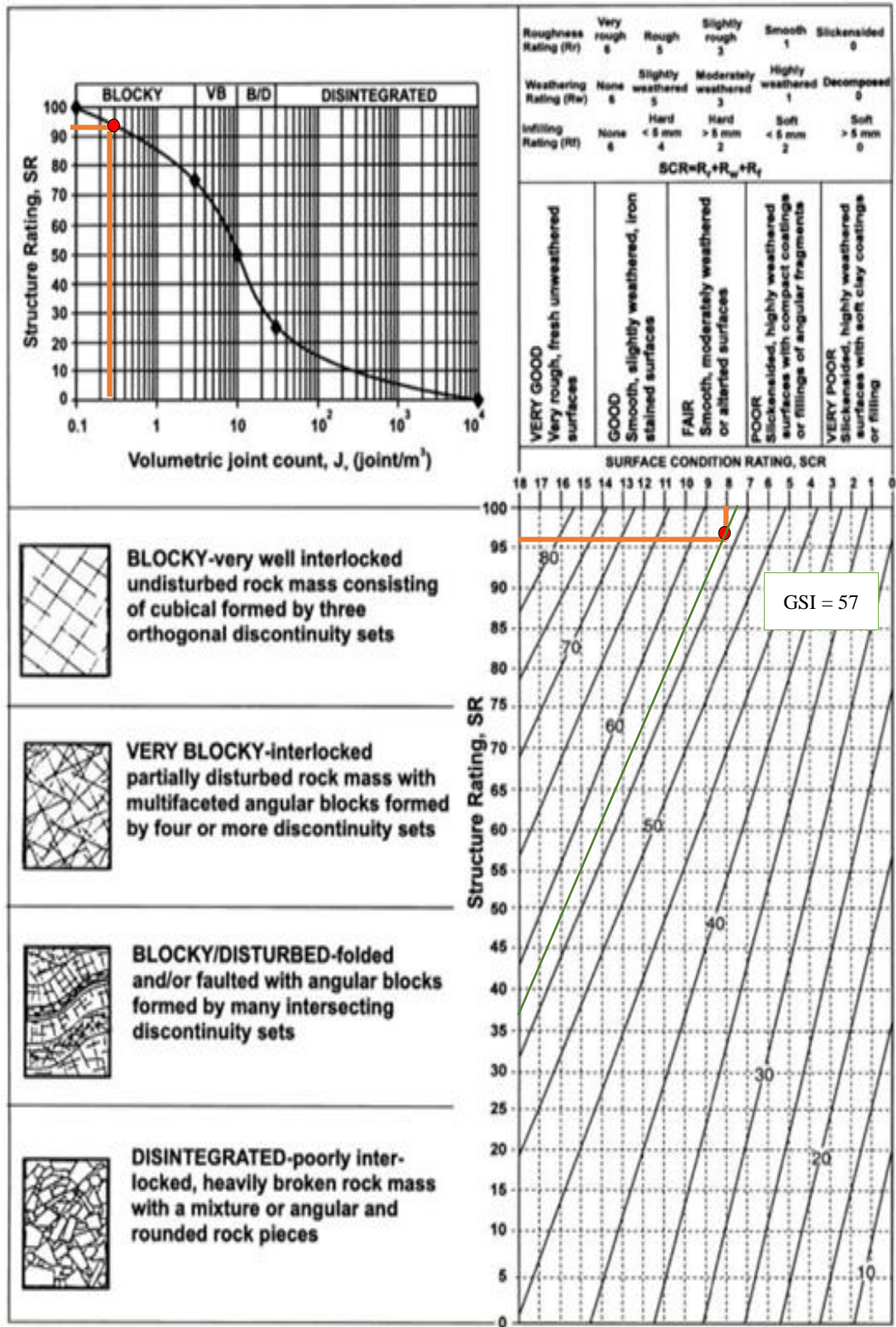
Gambar B. 29. Hasil Nilai GSI Segmen Campsite Selatan 800 H-I

30. Segmen Campsite Selatan 800 J-K



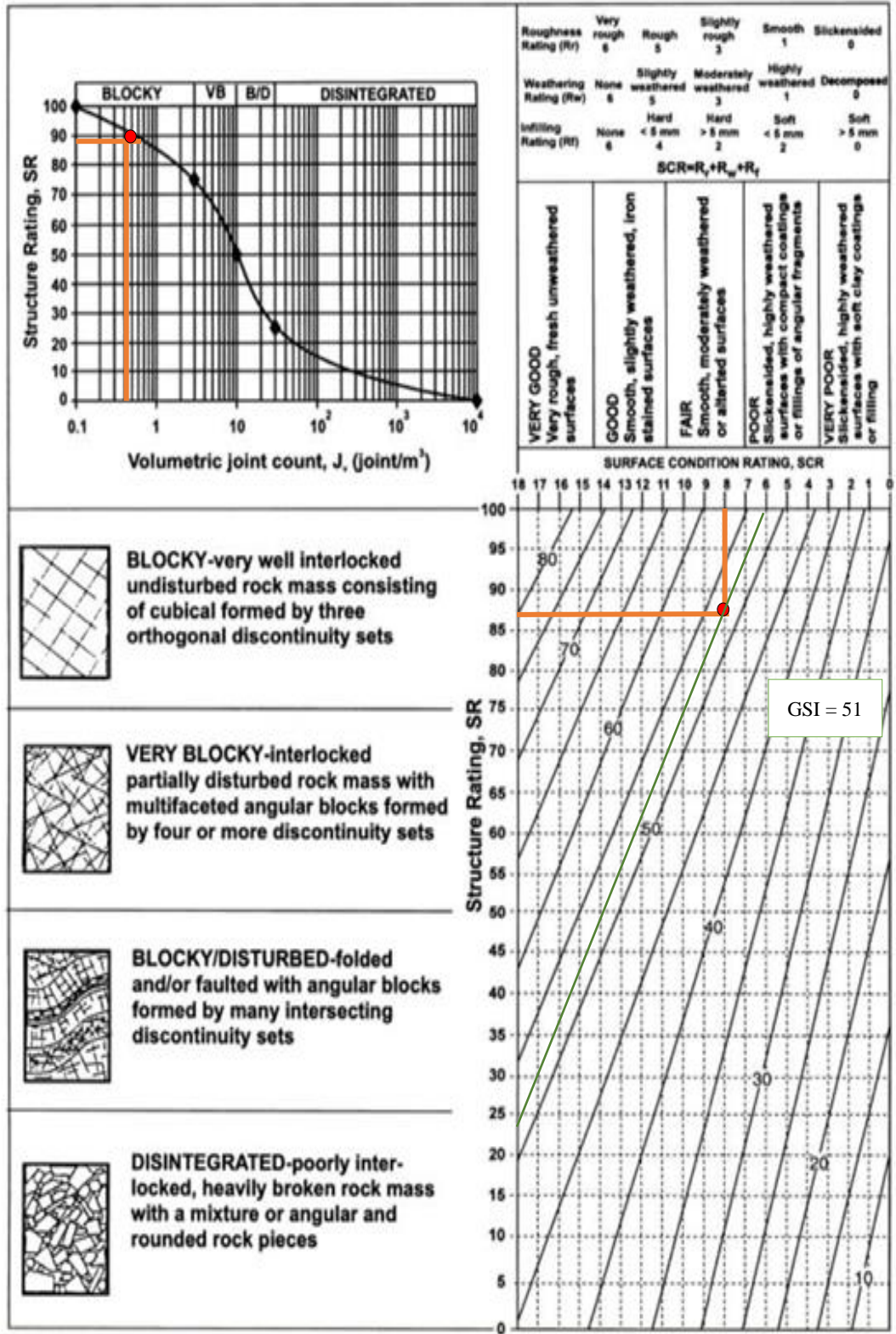
Gambar B. 30. Hasil Nilai GSI Segmen Campsite Selatan 800 J-K

31. Segmen Campsite Selatan 800 K-L



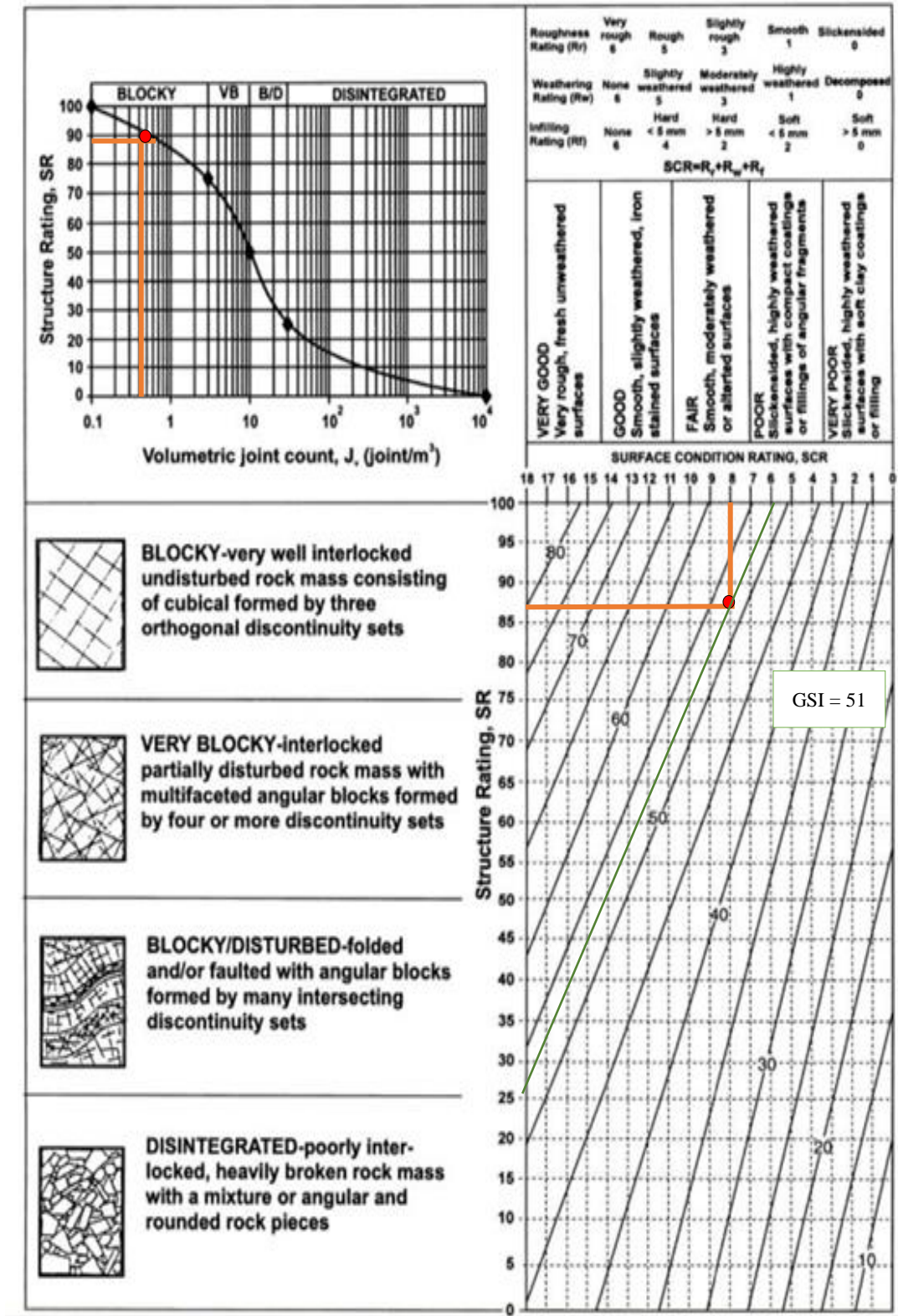
Gambar B. 31. Hasil Nilai GSI Segmen Campsite Selatan 800 K-L

32. Segmen Campsite Selatan 800 L-M



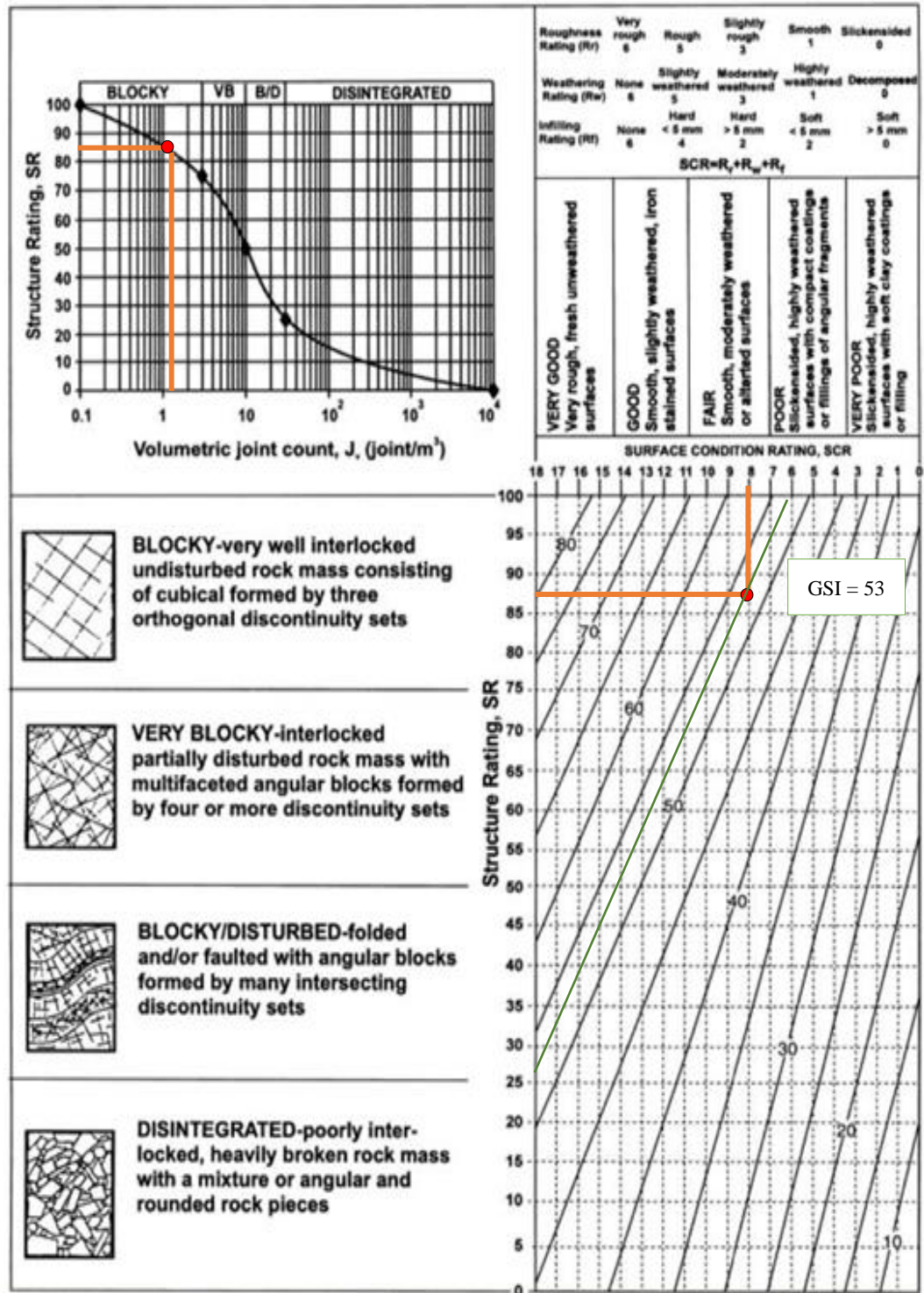
Gambar B. 32. Hasil Nilai GSI Segmen Campsite Selatan 800 L-M

33. Segmen Campsite Selatan 800 M-N



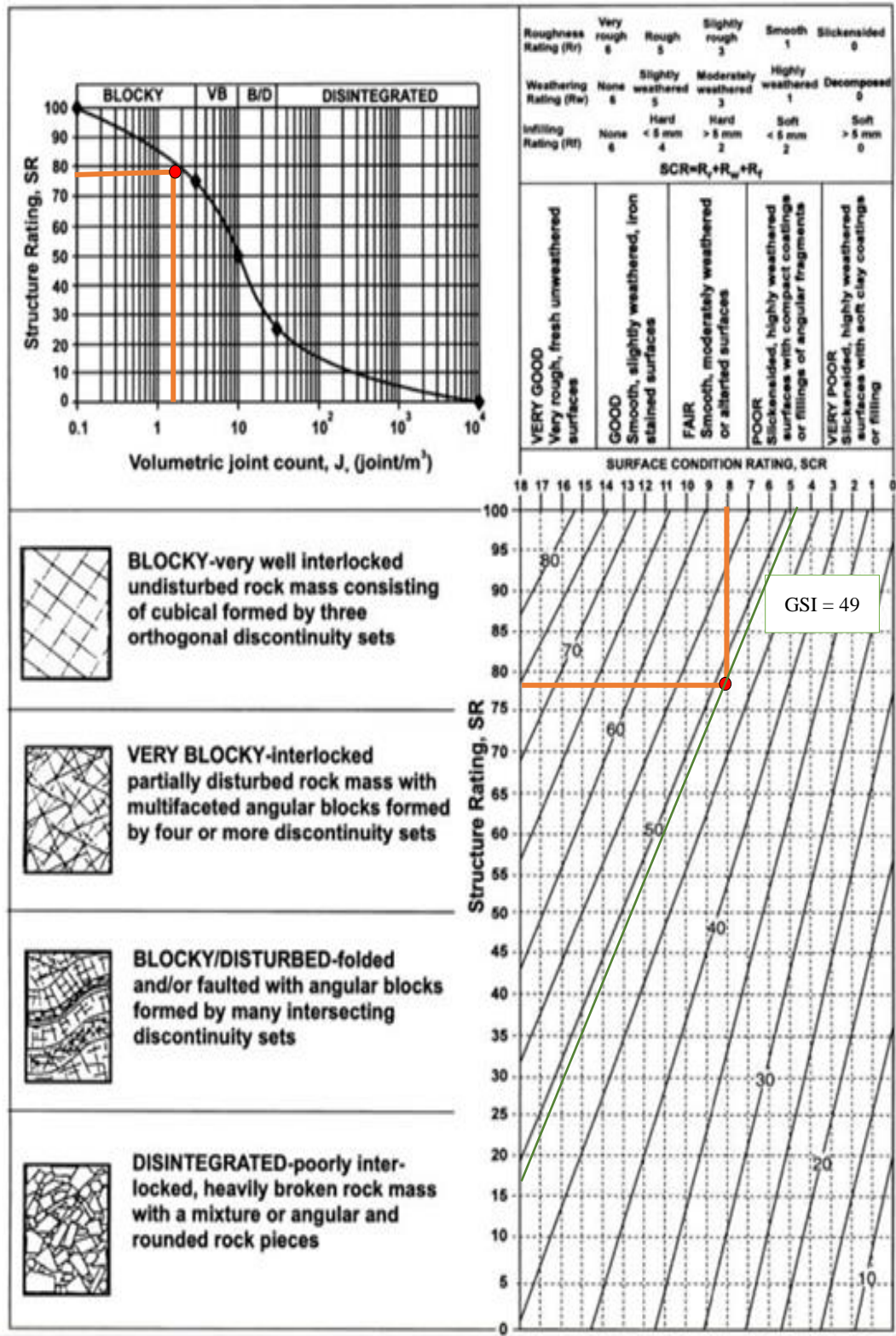
Gambar B. 33. Hasil Nilai GSI Segmen Campsite Selatan 800 M-N

34. Segmen Campsite Selatan 800 N-O



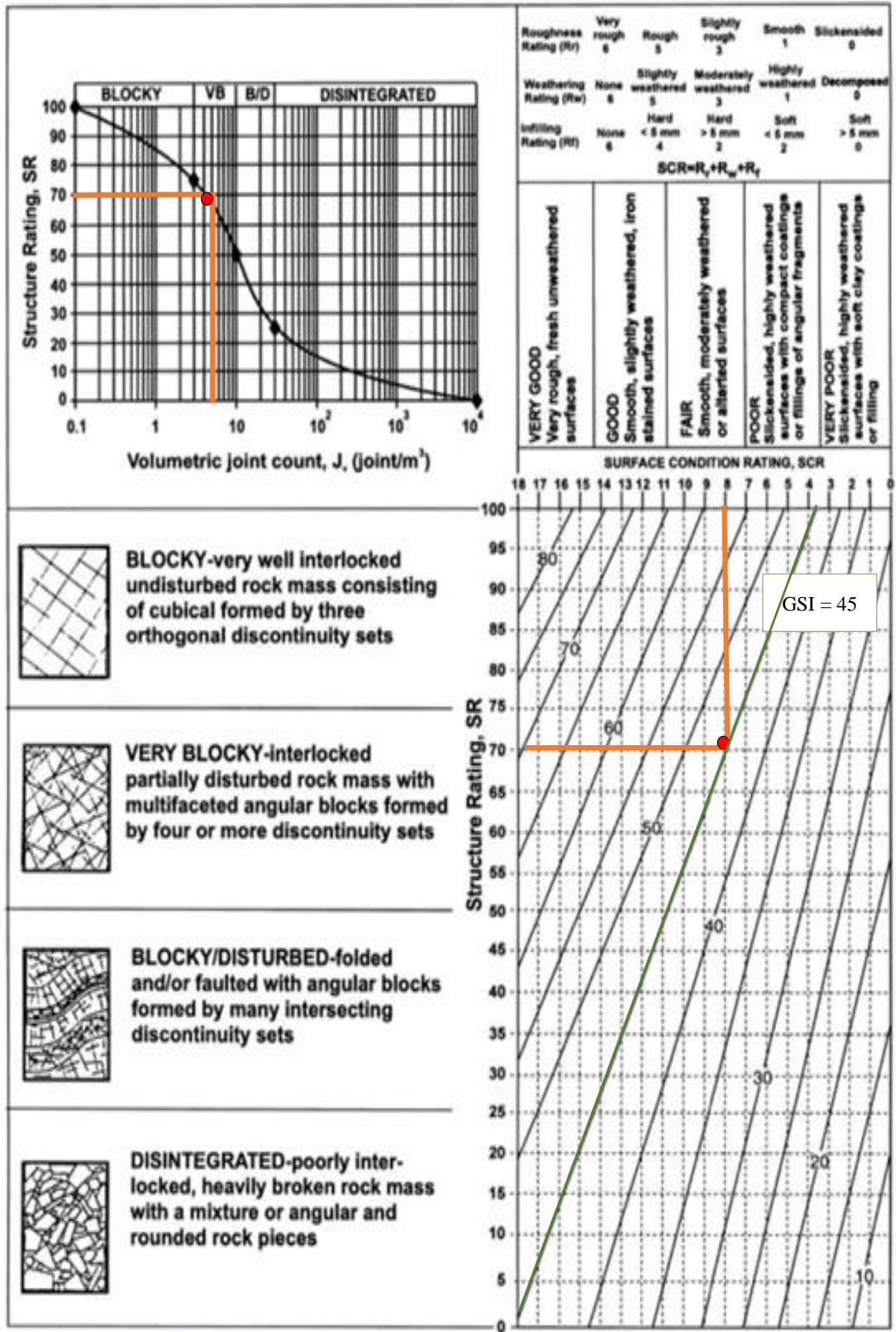
Gambar B. 34. Hasil Nilai GSI Segmen Campsite Selatan 800 N-O

35. Segmen Campsite Selatan 800 O-P



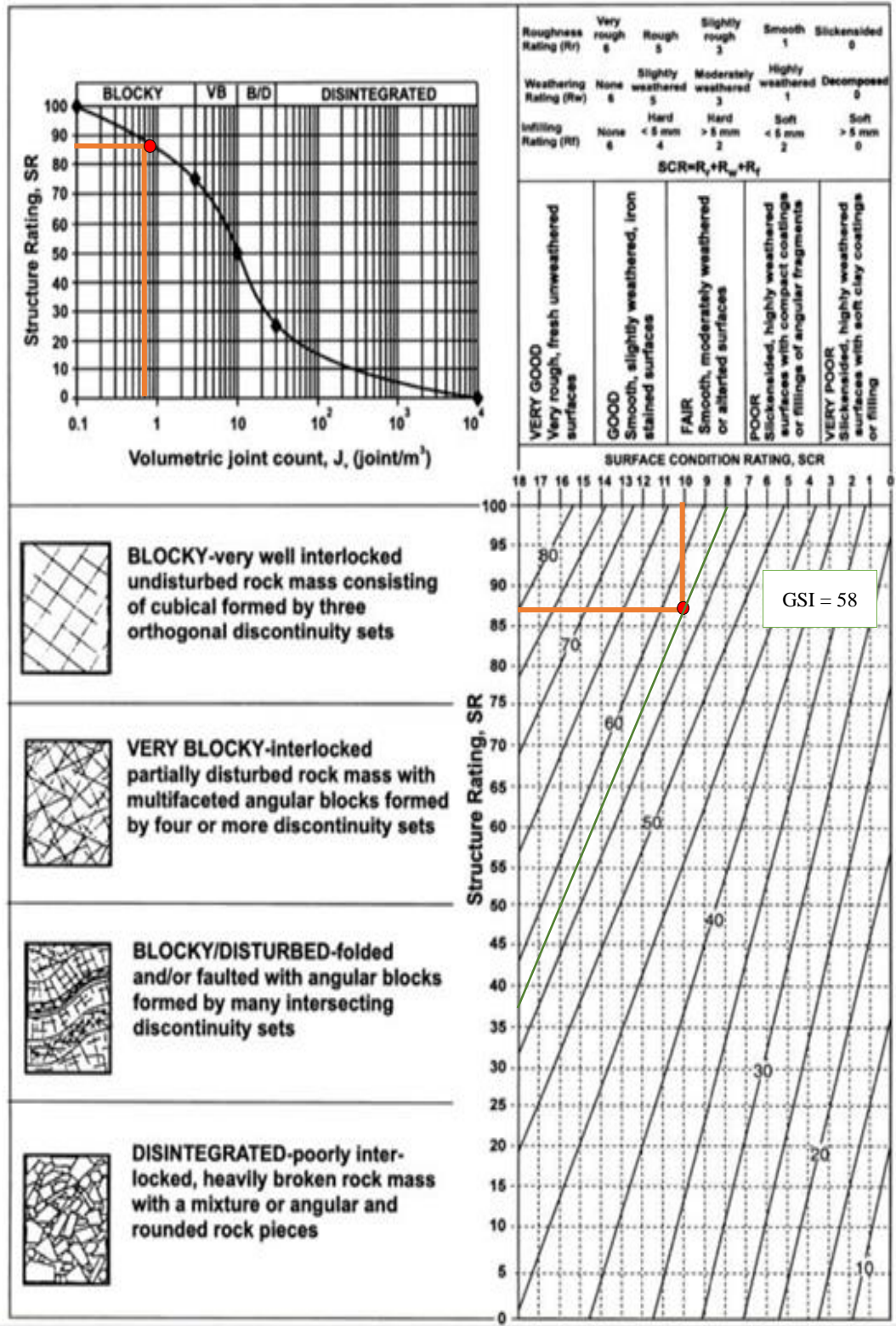
Gambar B. 35. Hasil Nilai GSI Segmen Campsite Selatan 800 O-P

36. Segmen Campsite Selatan 800 P-Q



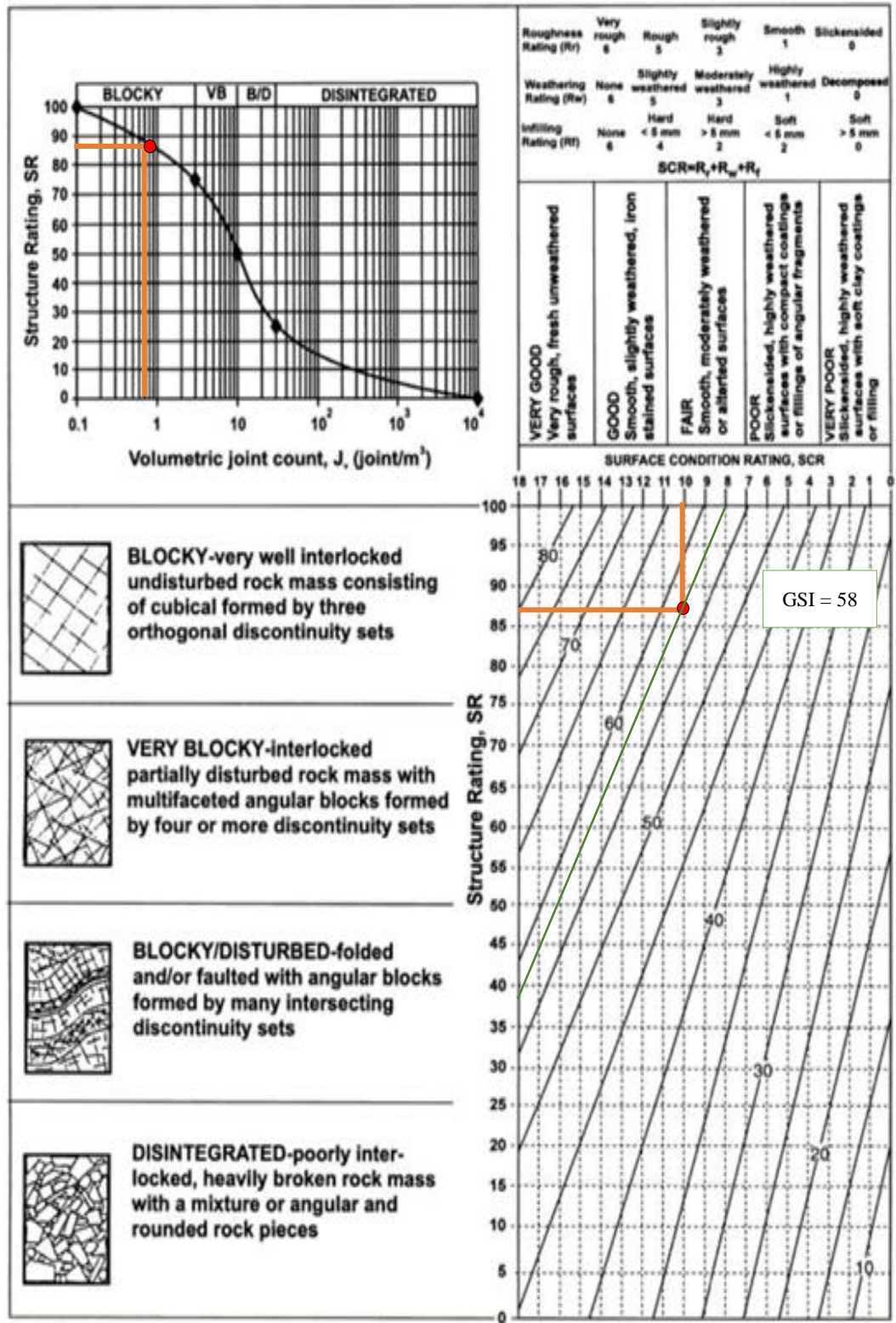
Gambar B. 36. Hasil Nilai GSI Segmen Campsite Selatan 800 P-Q

37. Segmen Main Ridge 780 A-B



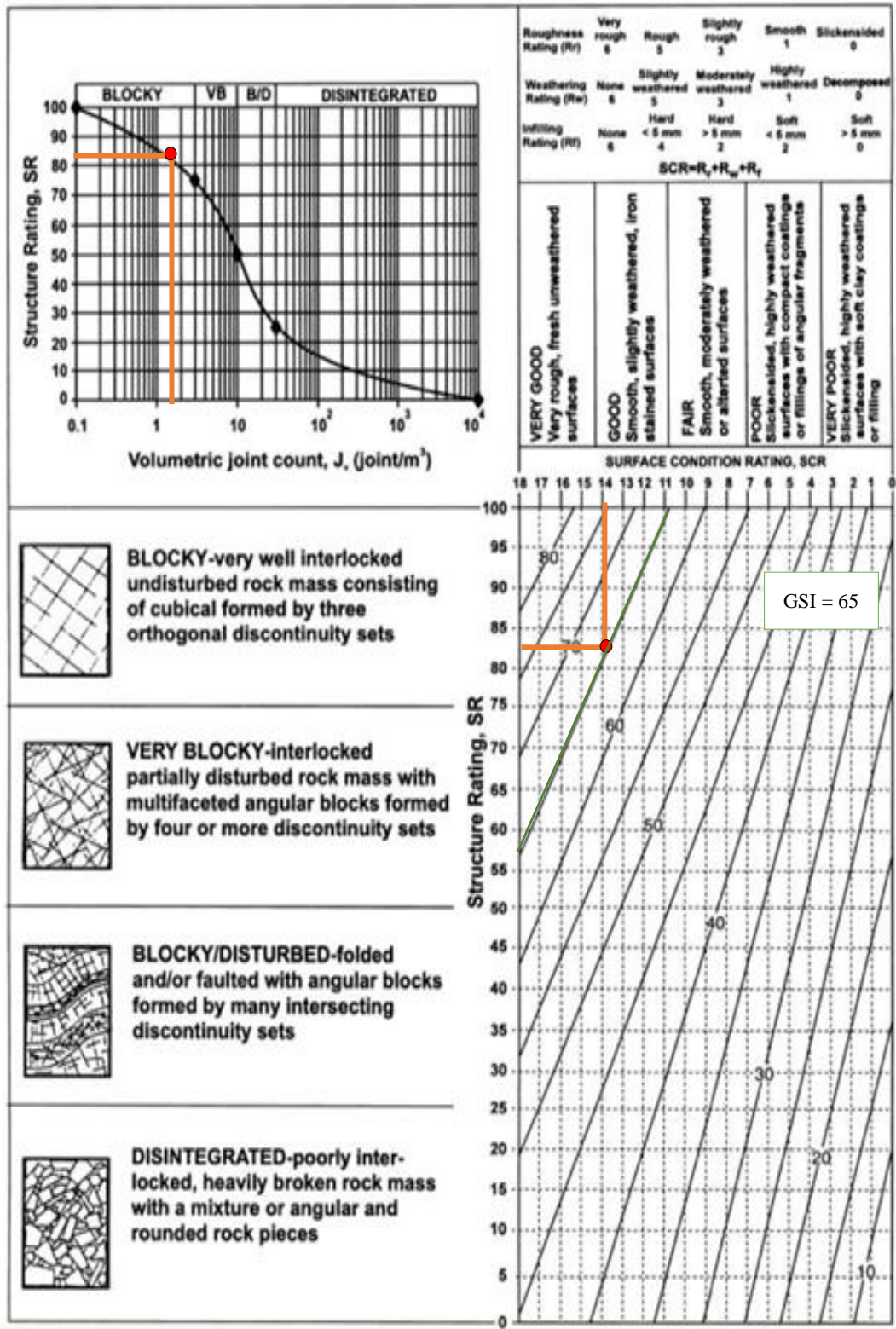
Gambar B. 37. Hasil Nilai GSI Segmen MainRidge 780 A-B

38. Segmen Main Ridge 780 B-C



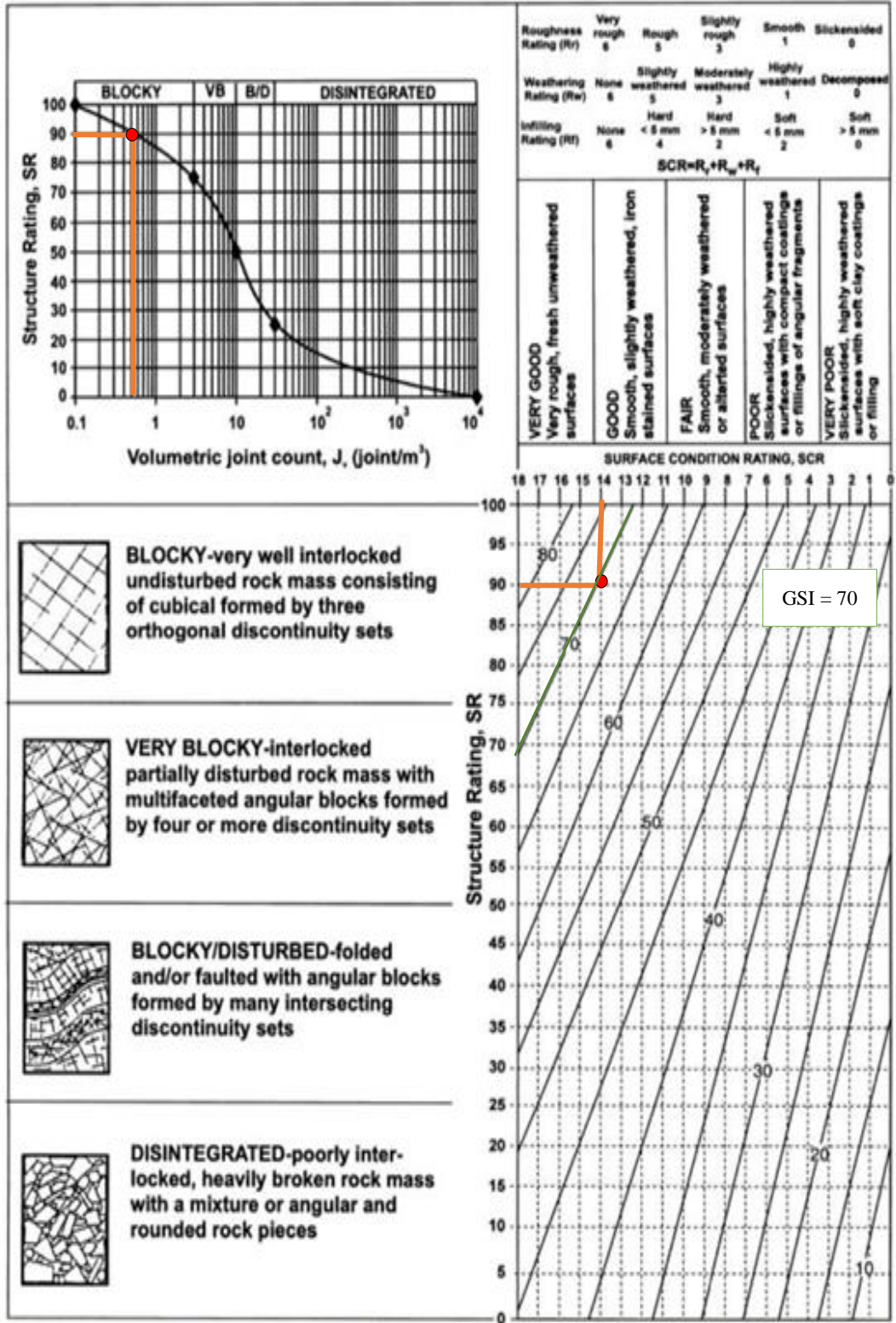
Gambar B. 38. Hasil Nilai GSI Segmen MainRidge 780 B-C

39. Segmen Main Ridge 780 C-D



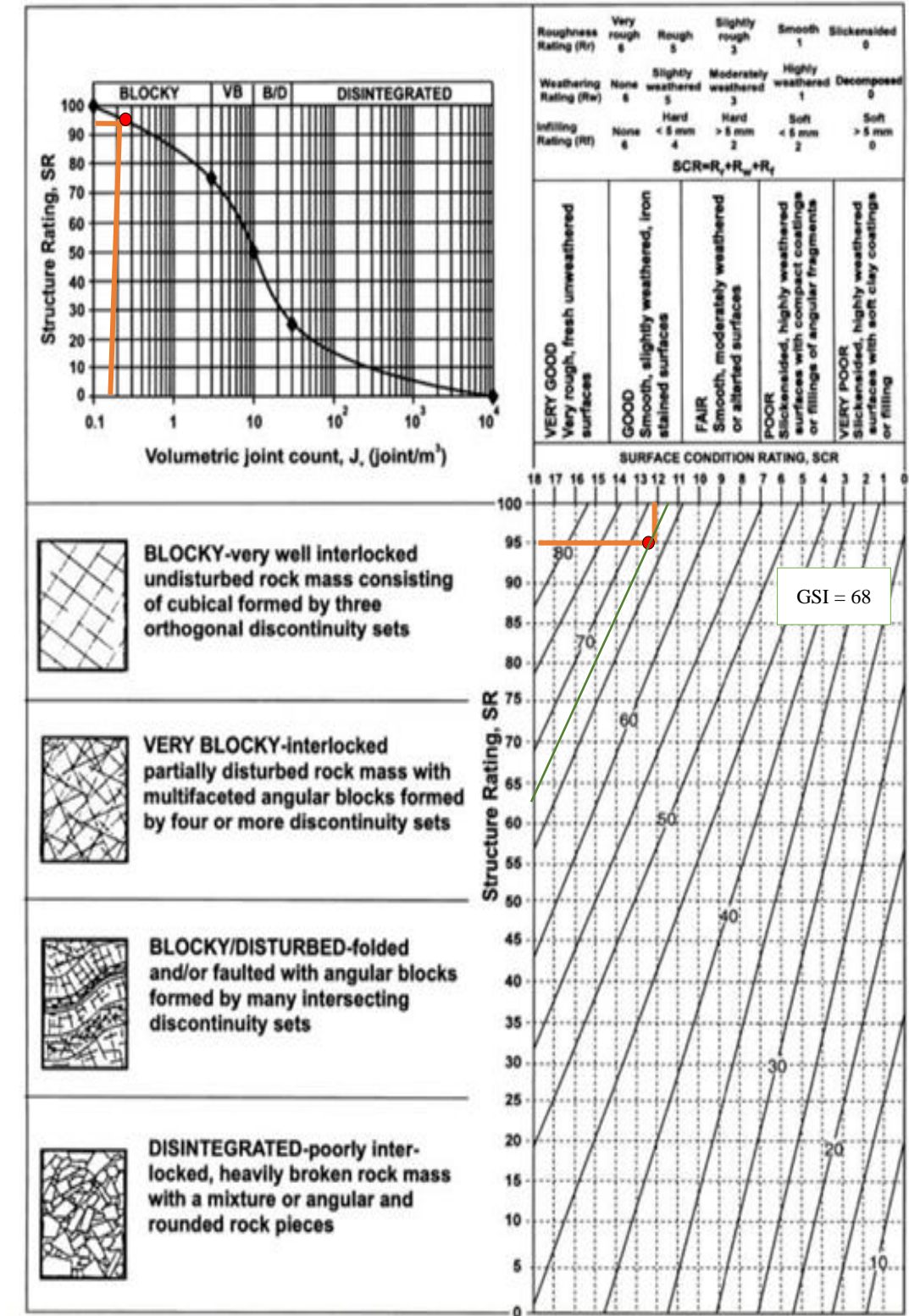
Gambar B. 39. Hasil Nilai GSI Segmen MainRidge 780 C-D

40. Segmen Main Ridge 780 D-E



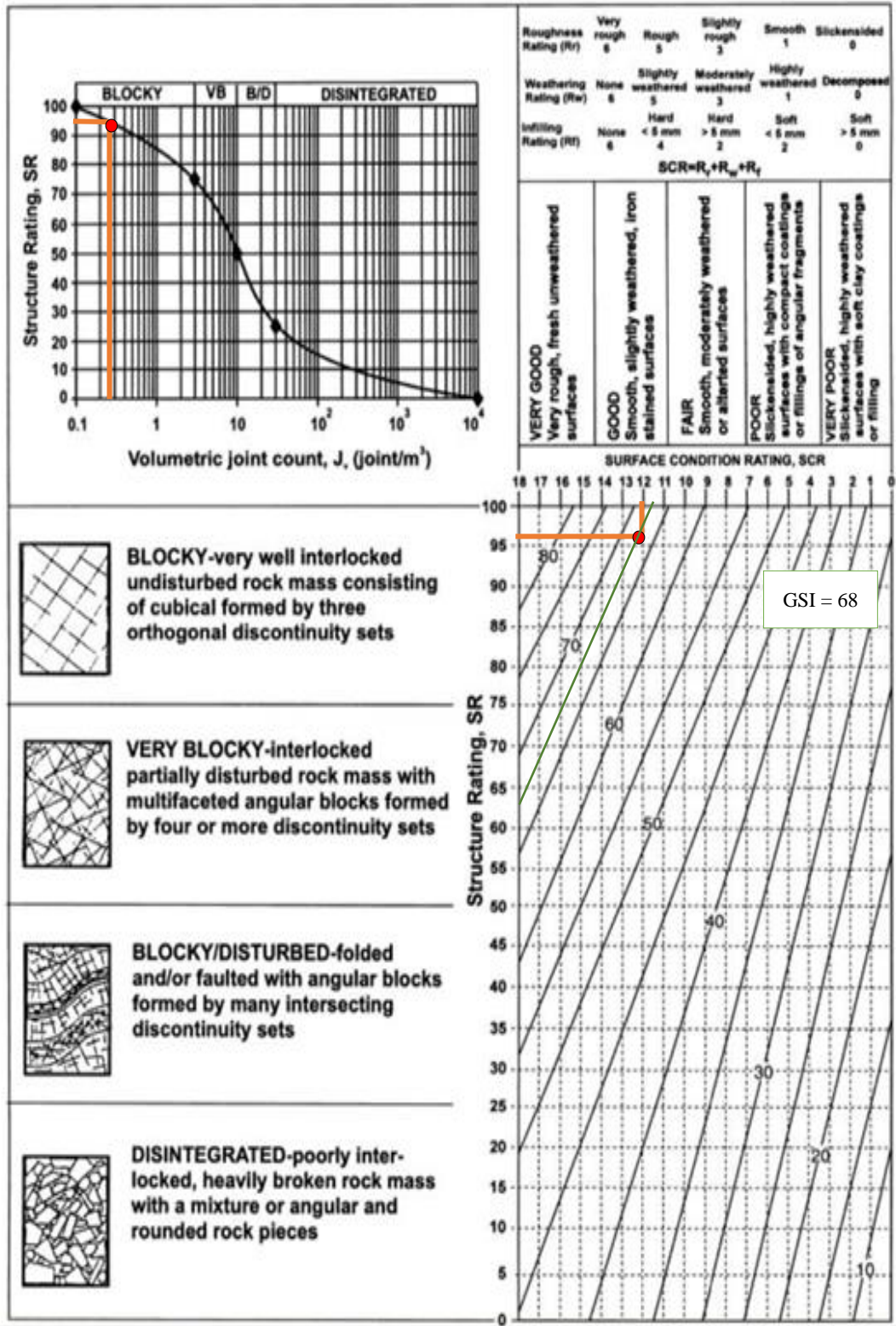
Gambar B. 40. Hasil Nilai GSI Segmen MainRidge 780 D-E

41. Segmen Main Ridge 760 A-B



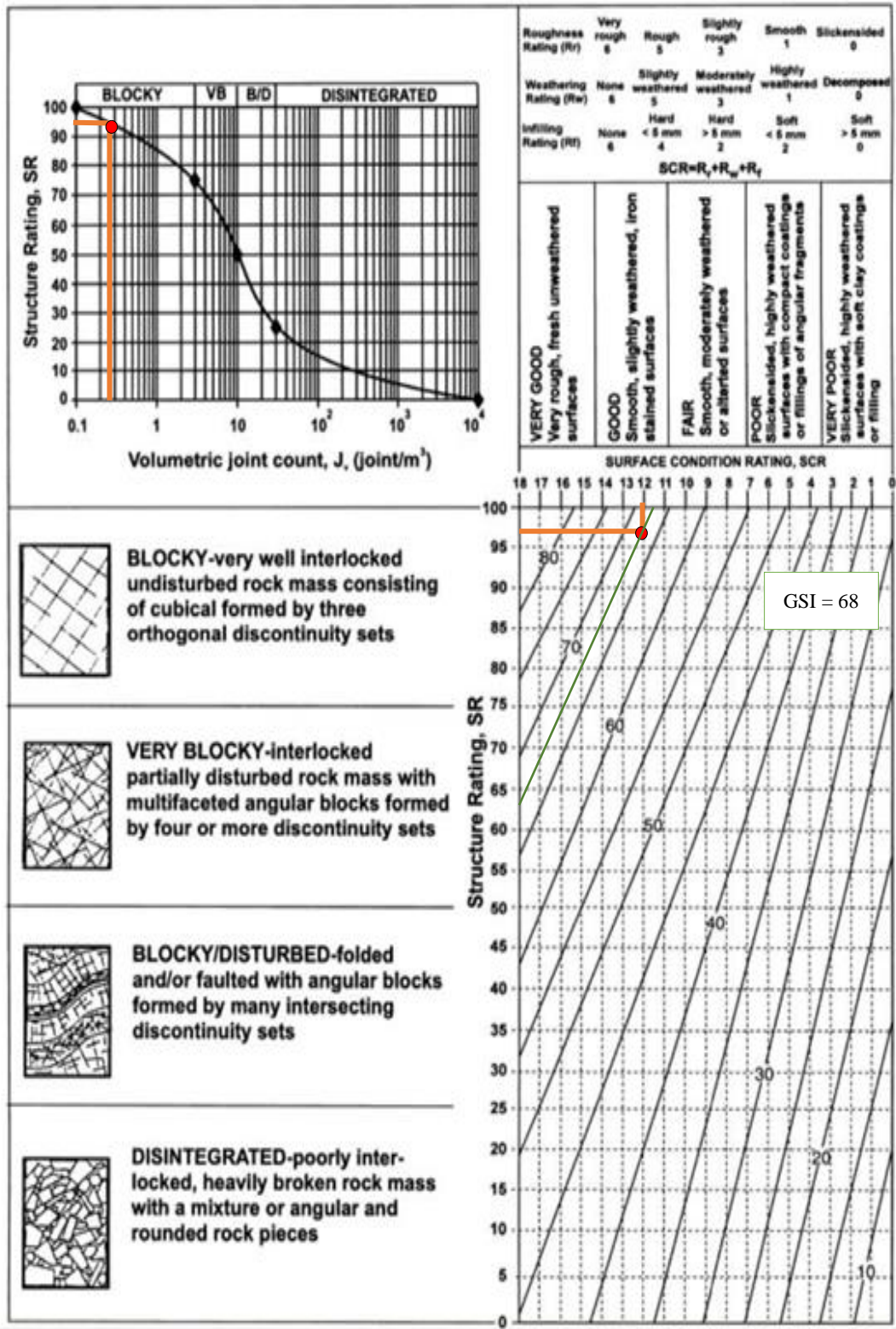
Gambar B. 41. Hasil Nilai GSI Segmen MainRidge 760 A-B

42. Segmen Main Ridge 760 B-C



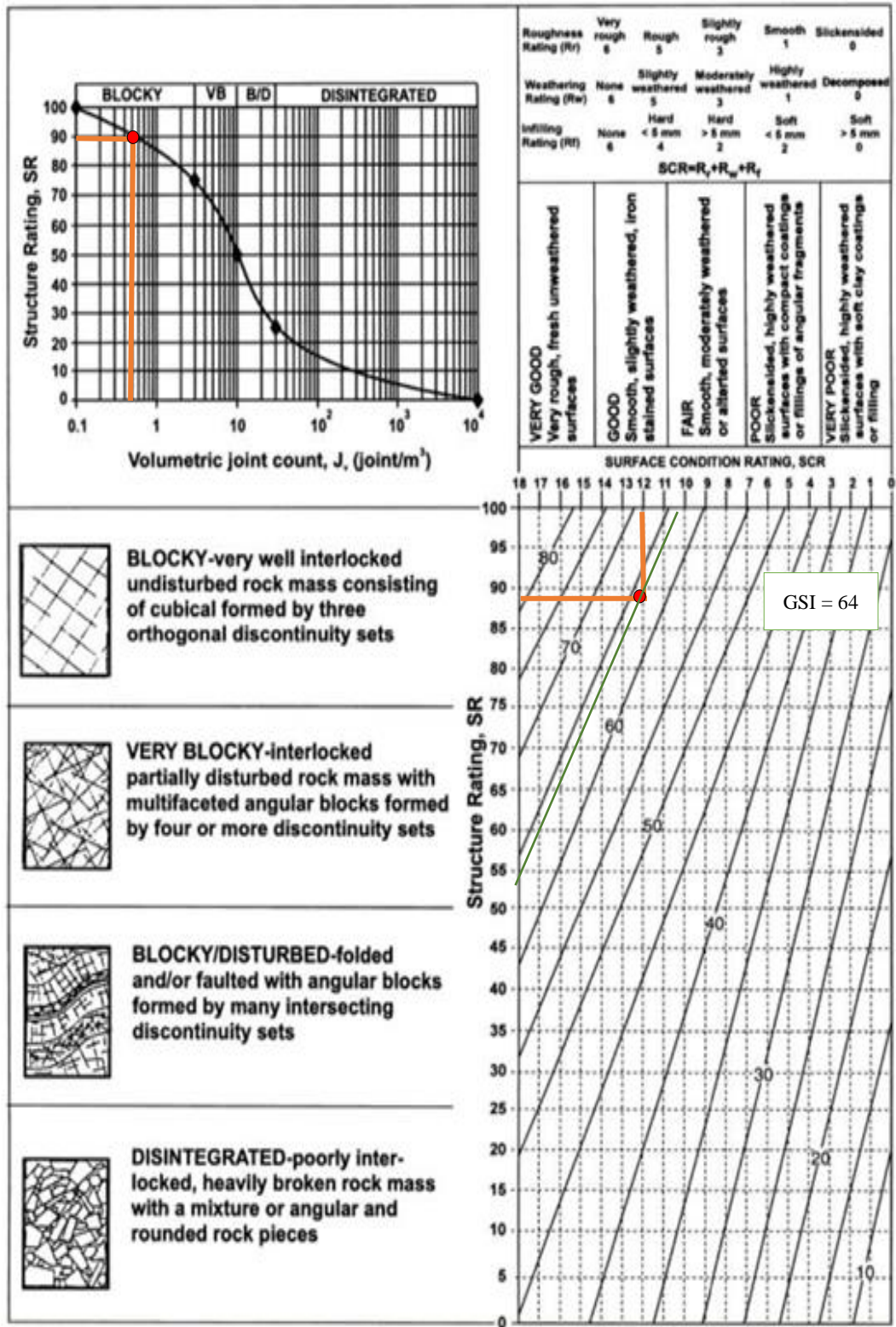
Gambar B. 42. Hasil Nilai GSI Segmen MainRidge 760 B-C

43. Segmen Main Ridge 760 C-D



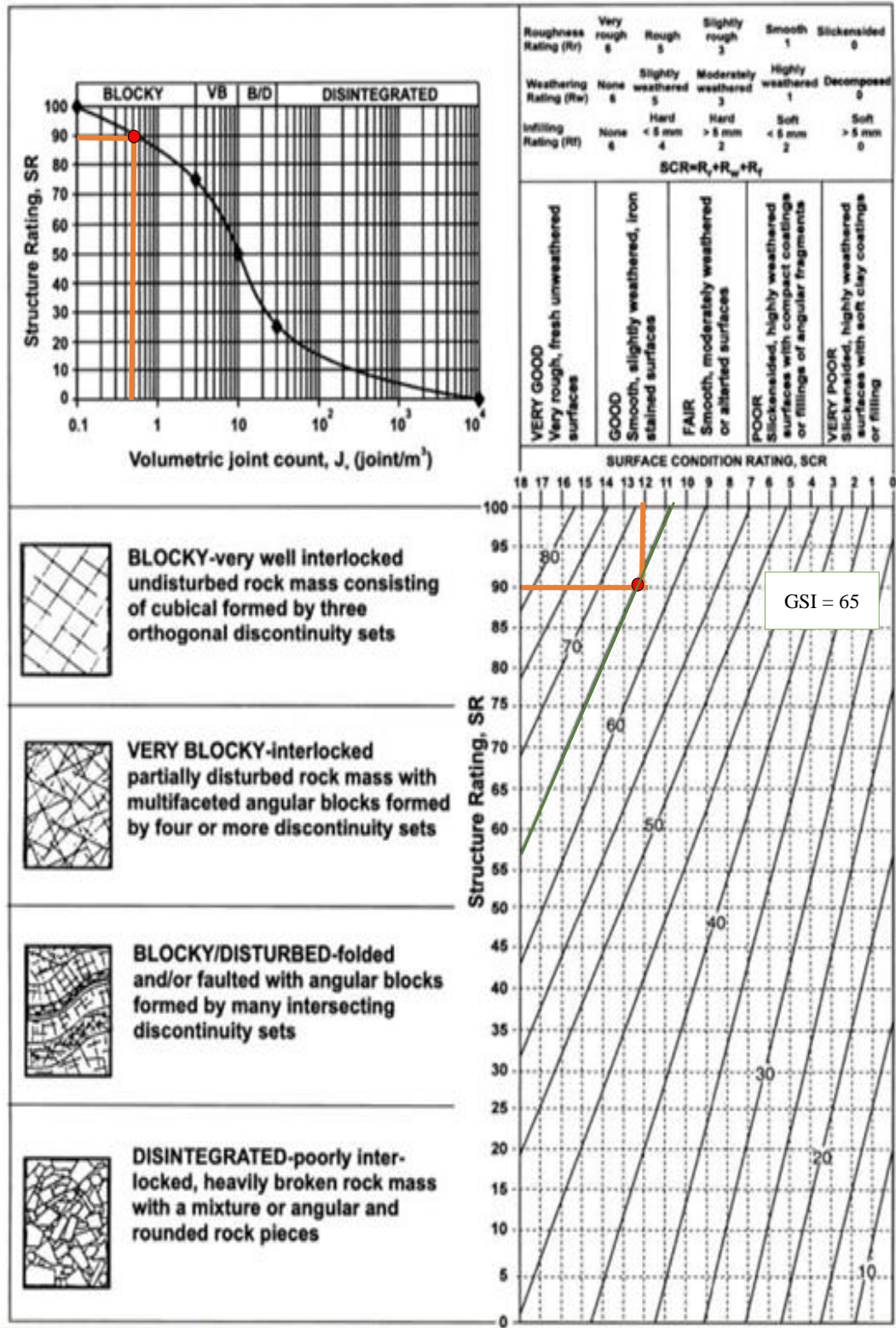
Gambar B. 43. Hasil Nilai GSI Segmen MainRidge 760 C-D

44. Segmen Main Ridge 760 D-E



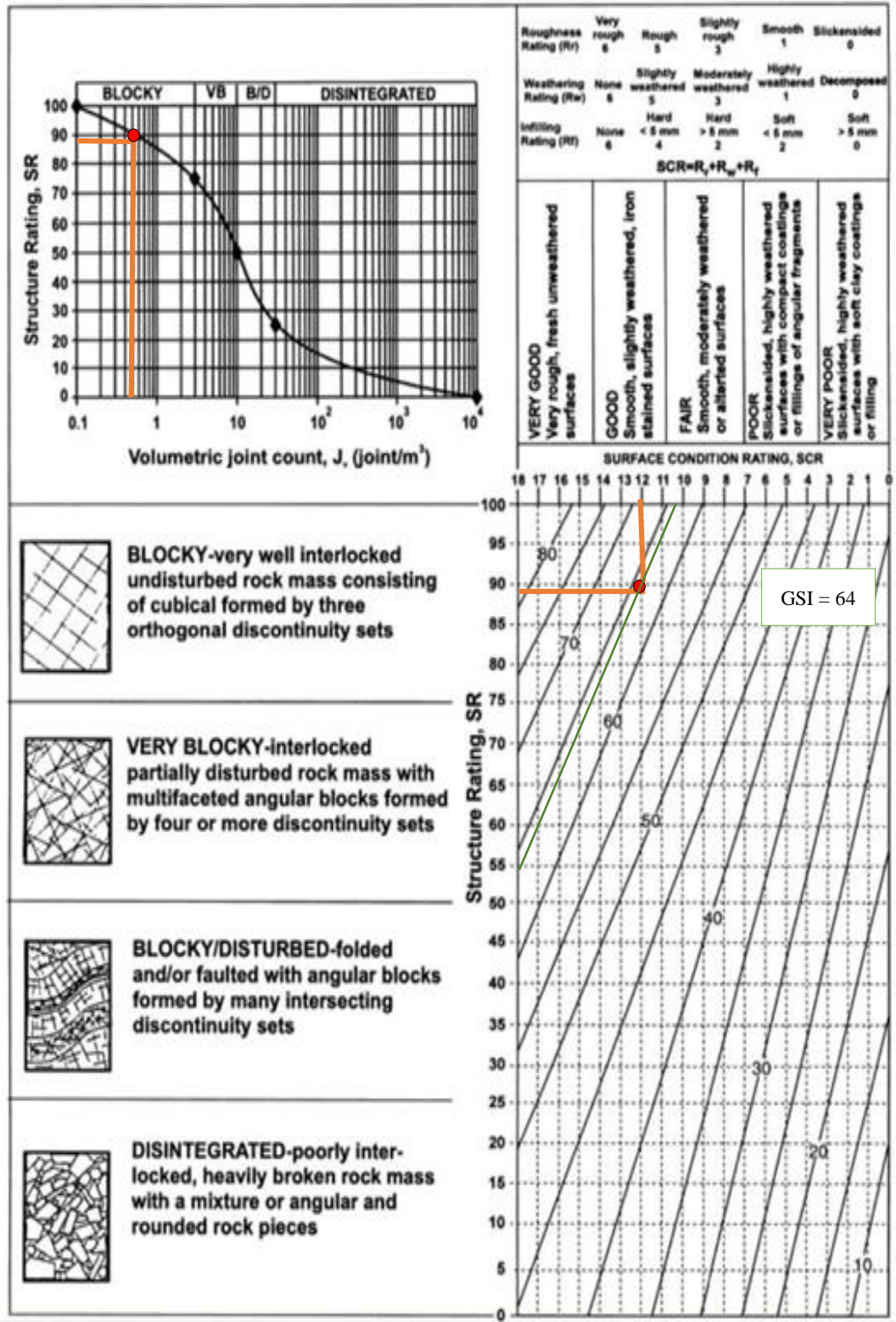
Gambar B. 44. Hasil Nilai GSI Segmen MainRidge 760 D-E

45. Segmen Main Ridge 760 E-F



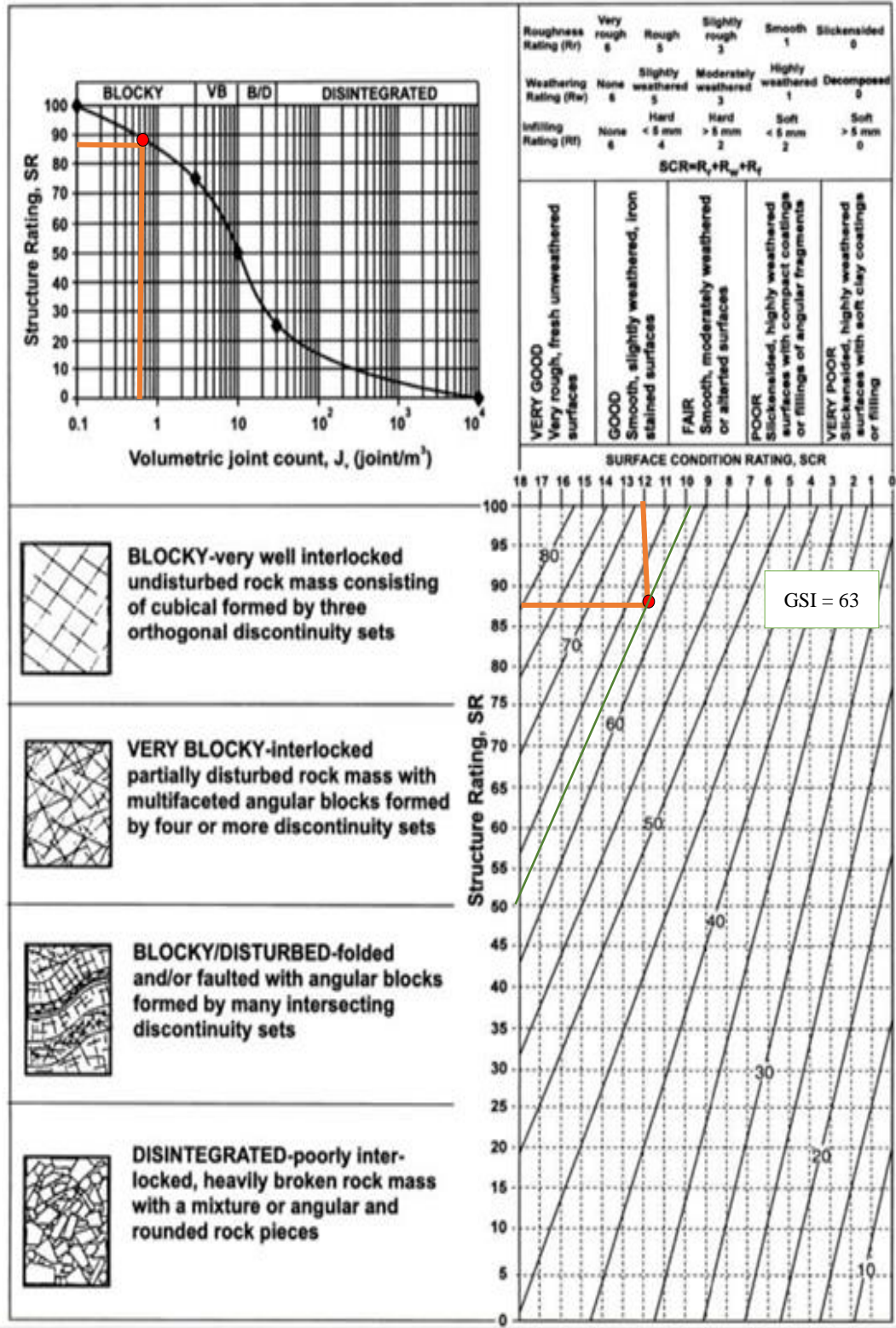
Gambar B. 45. Hasil Nilai GSI Segmen MainRidge 760 E-F

46. Segmen Main Ridge 760 F-G



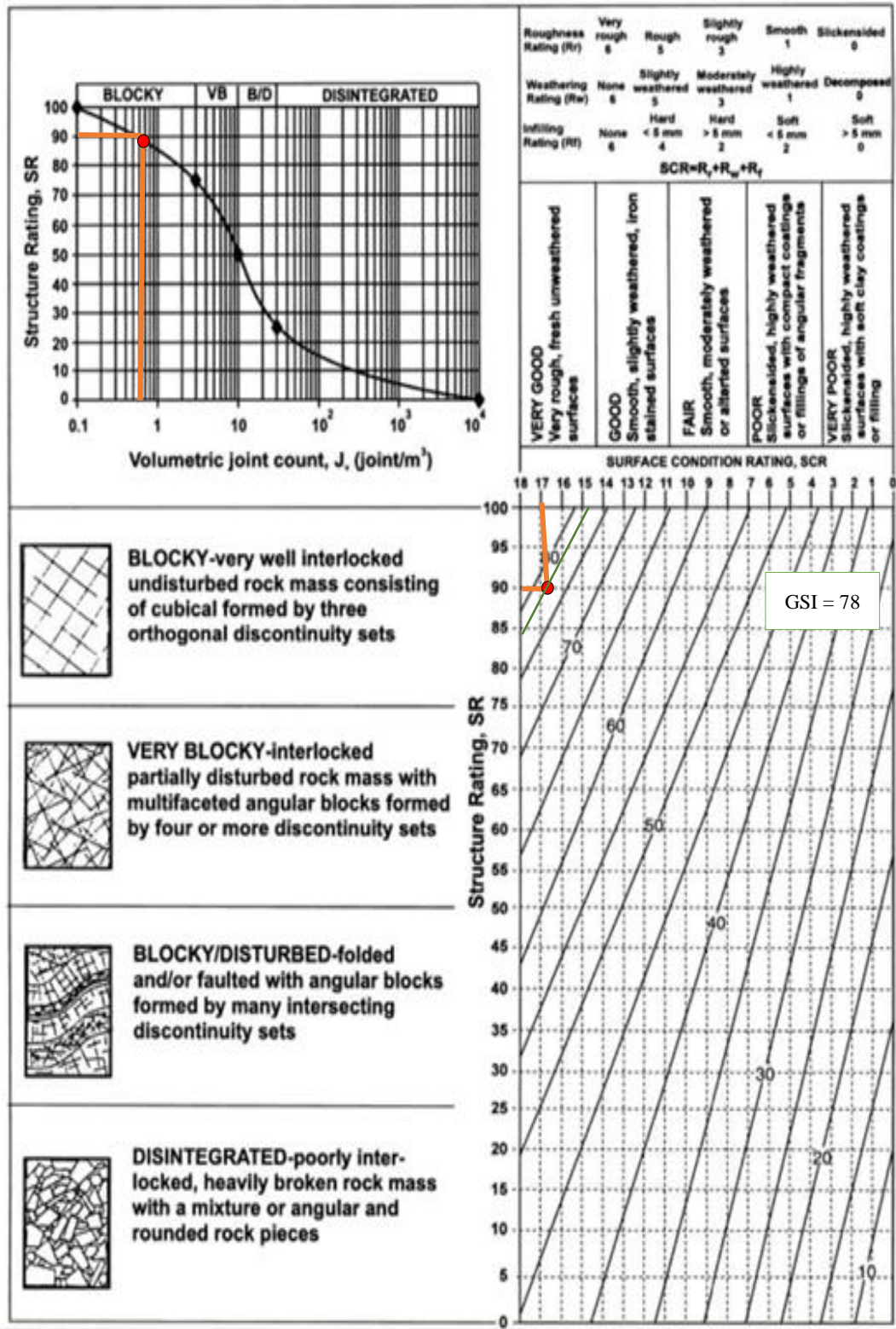
Gambar B. 46. Hasil Nilai GSI Segmen MainRidge 760 F-G

47. Segmen Main Ridge 760 G-H



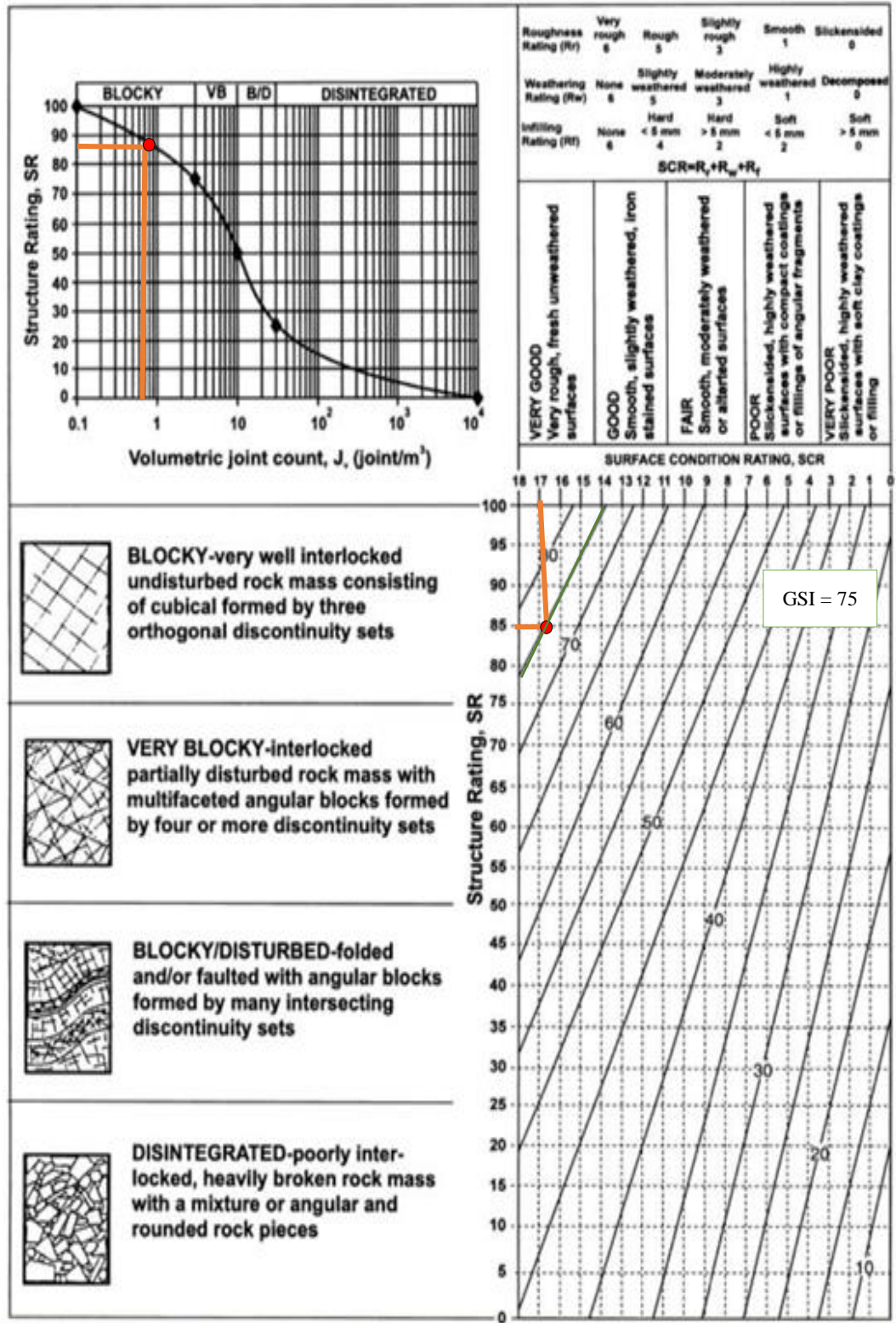
Gambar B. 47. Hasil Nilai GSI Segmen MainRidge 760 G-H

48. Segmen Main Ridge 760 H-I



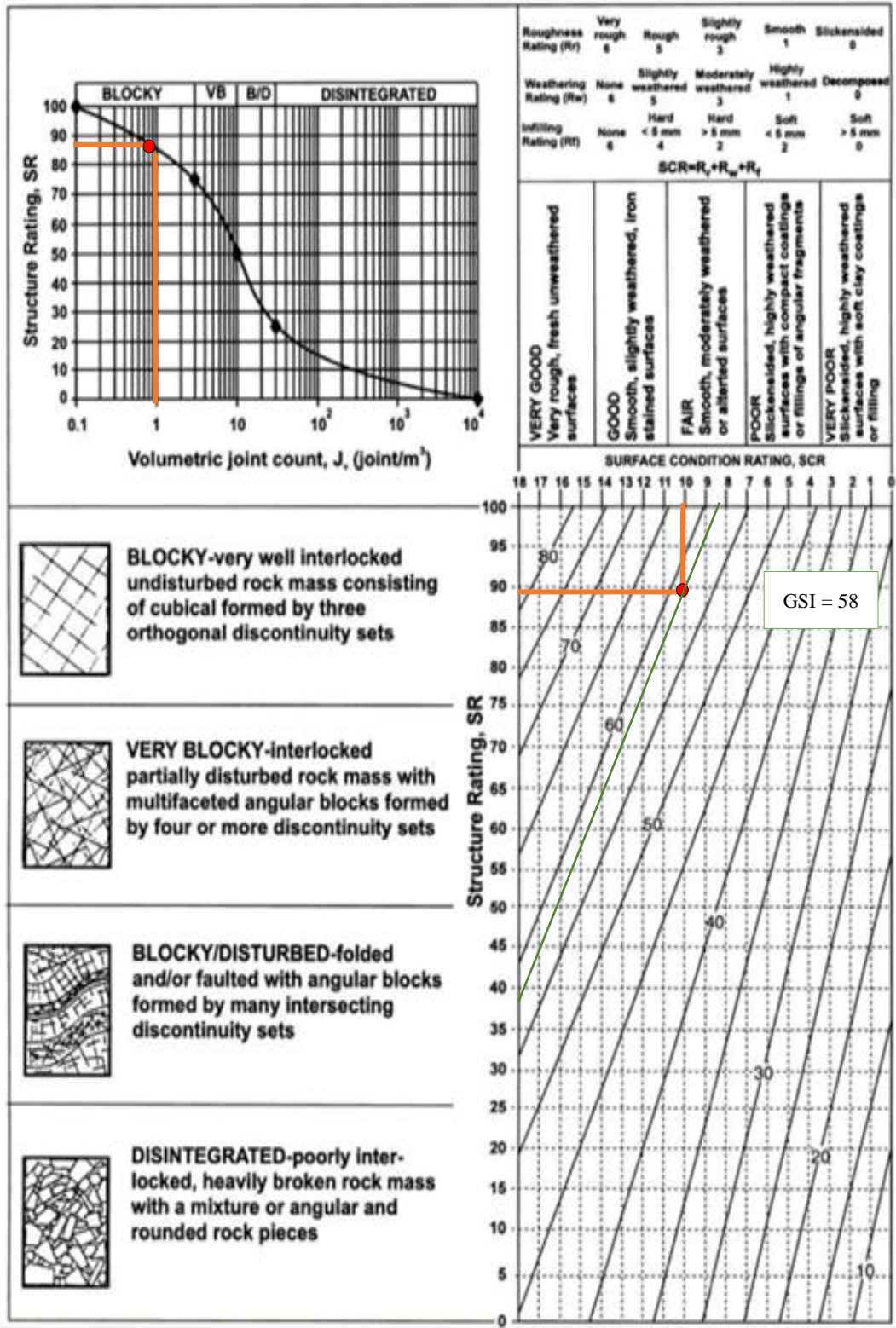
Gambar B. 48. Hasil Nilai GSI Segmen MainRidge 760 H-I

49. Segmen Main Ridge 760 I-J



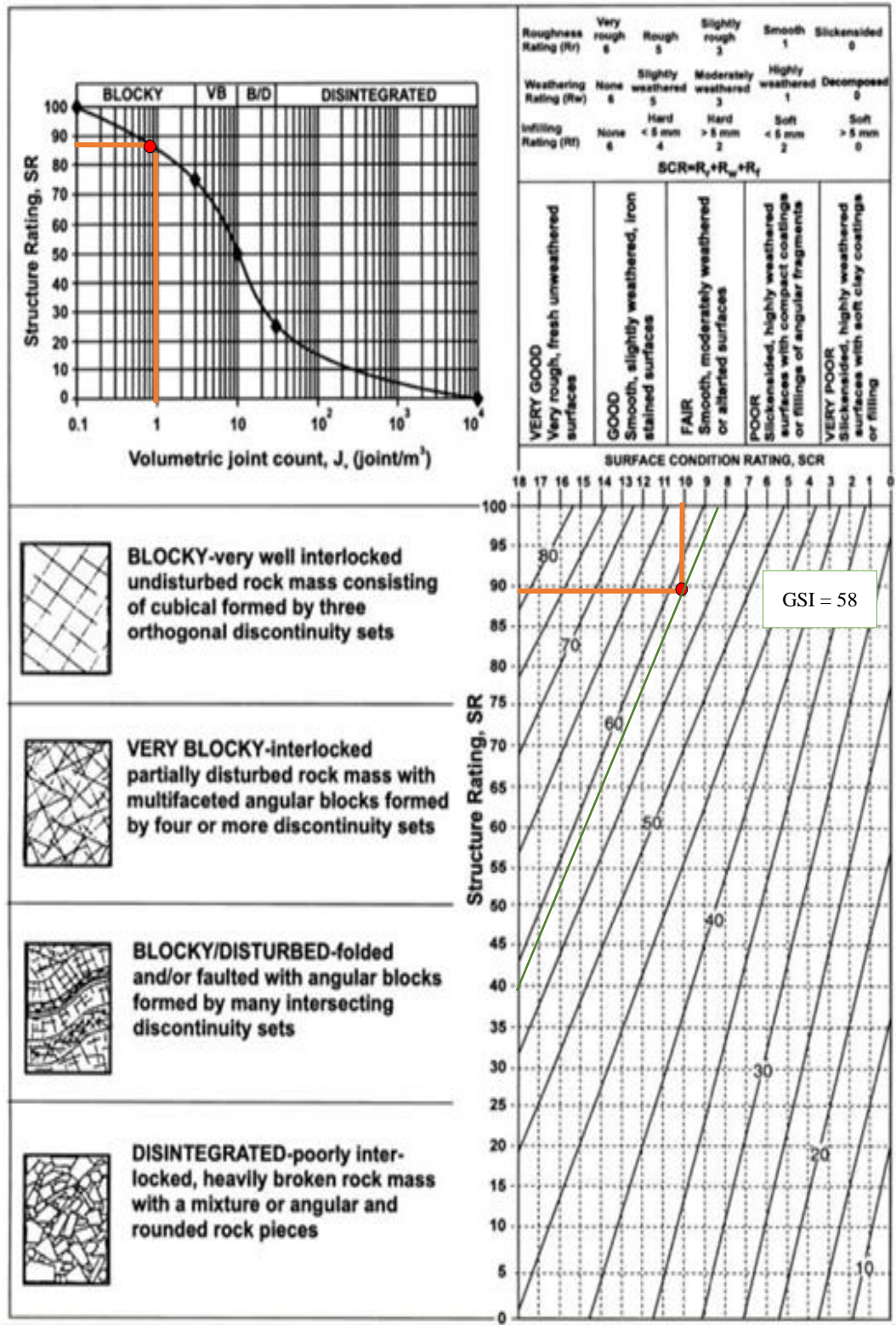
Gambar B. 49. Hasil Nilai GSI Segmen MainRidge 760 I-J

50. Segmen Main Ridge 760 J-K



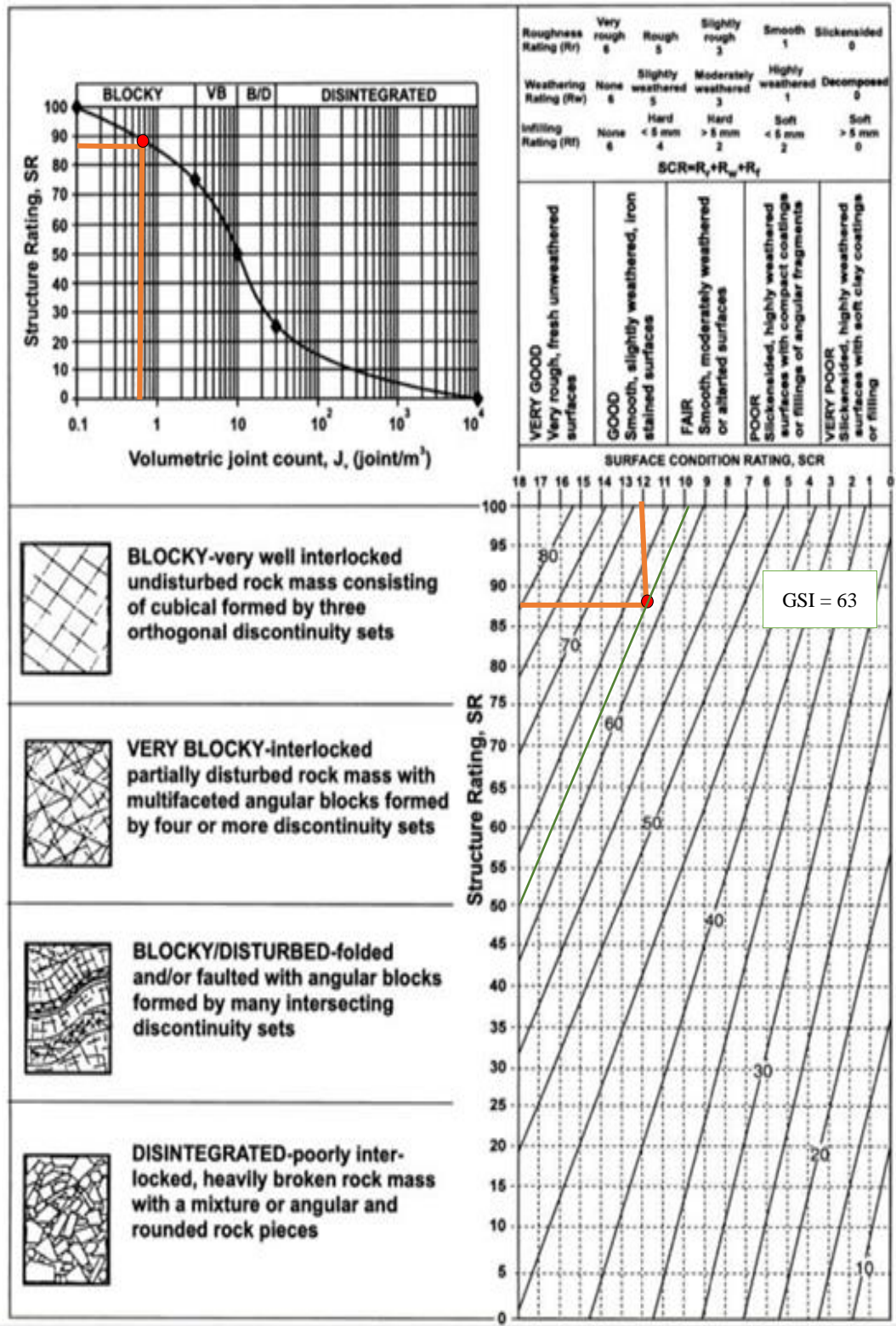
Gambar B. 50. Hasil Nilai GSI Segmen MainRidge 760 J-K

51. Segmen Main Ridge 760 K-L



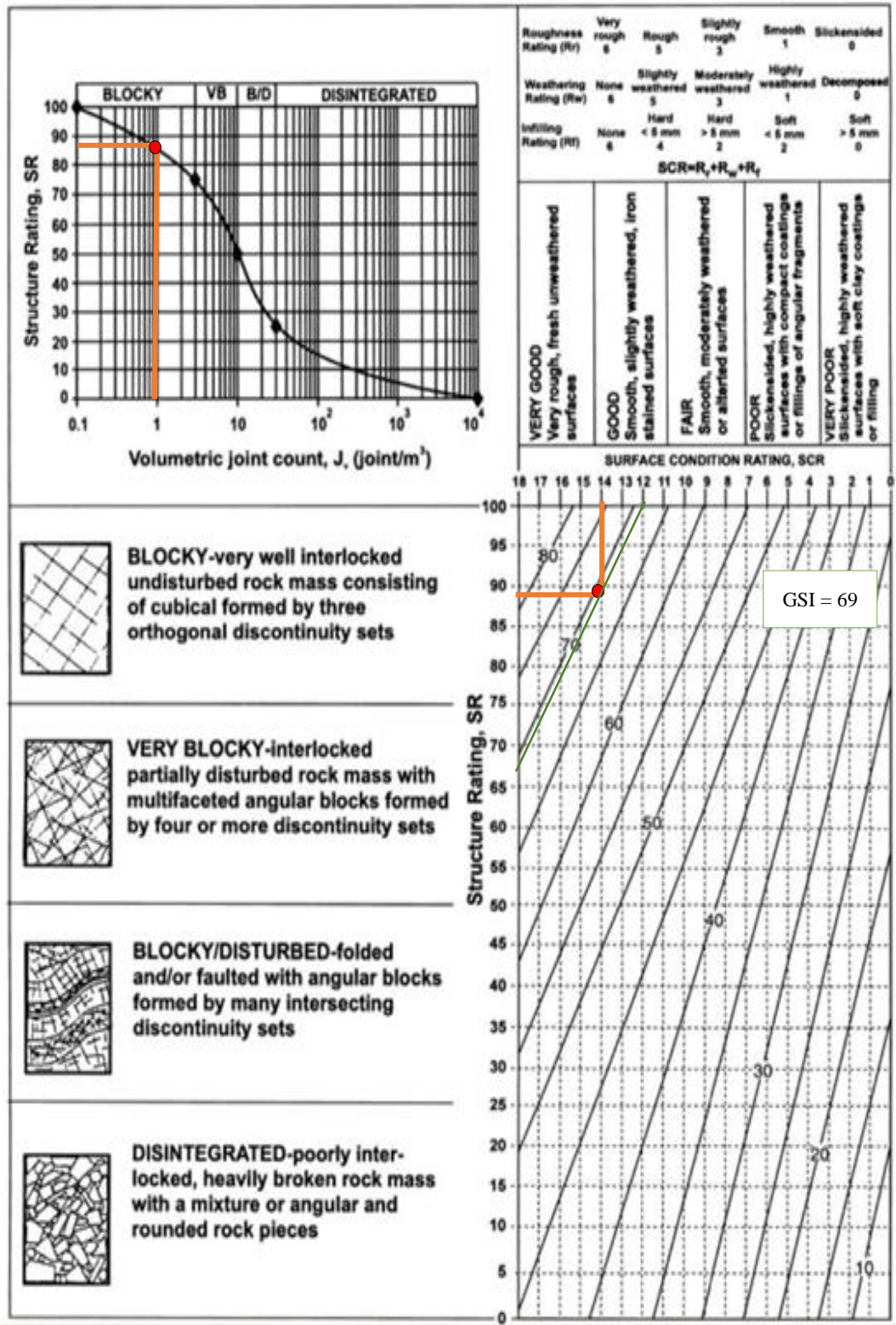
Gambar B. 51. Hasil Nilai GSI Segmen MainRidge 760 K-L

52. Segmen Main Ridge 760 L-M



Gambar B. 52. Hasil Nilai GSI Segmen MainRidge 760 L-M

53. Segmen Main Ridge 760 M-N

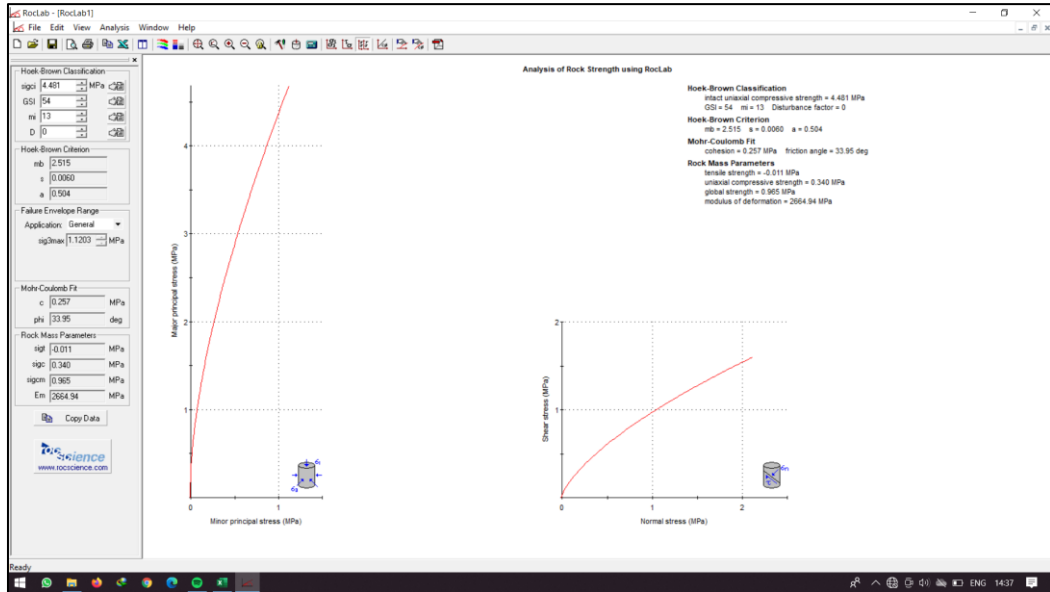


Gambar B. 53. Hasil Nilai GSI Segmen MainRidge 760 M-N

LAMPIRAN C

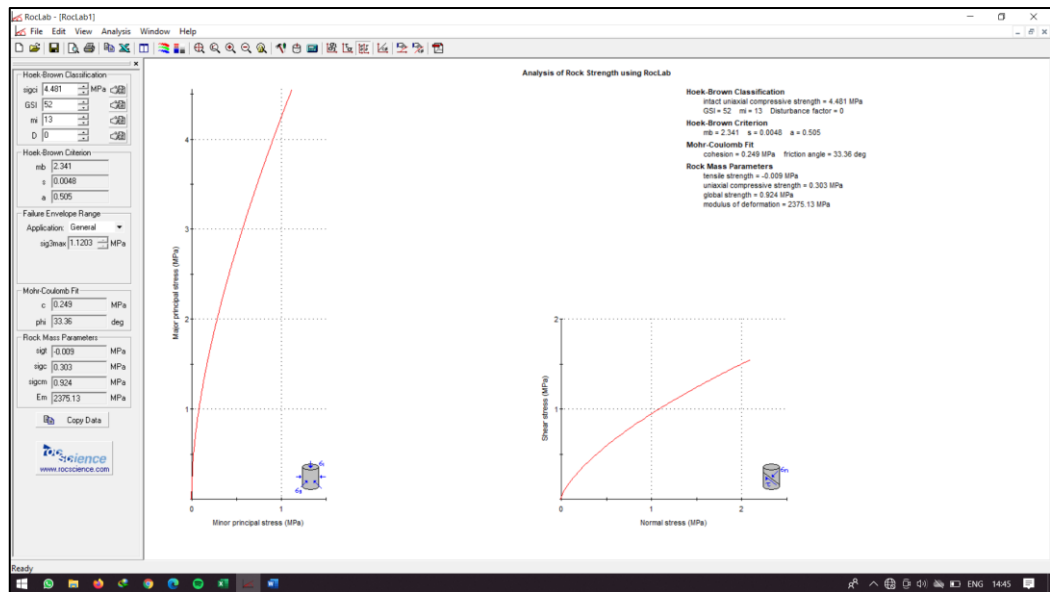
SUDUT GESEK DALAM

1. Segmen Campsite Selatan 840 A-B



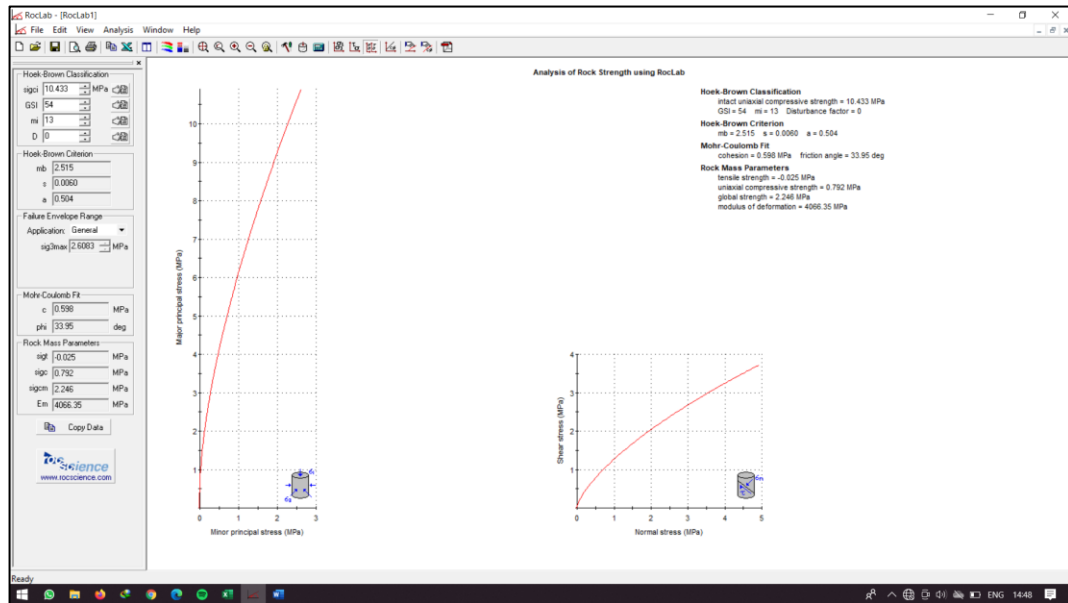
Gambar C. 1. Sudut Geser Dalam Segmen Campsite Selatan 840 A-B

2. Segmen Campsite Selatan 840 B-C



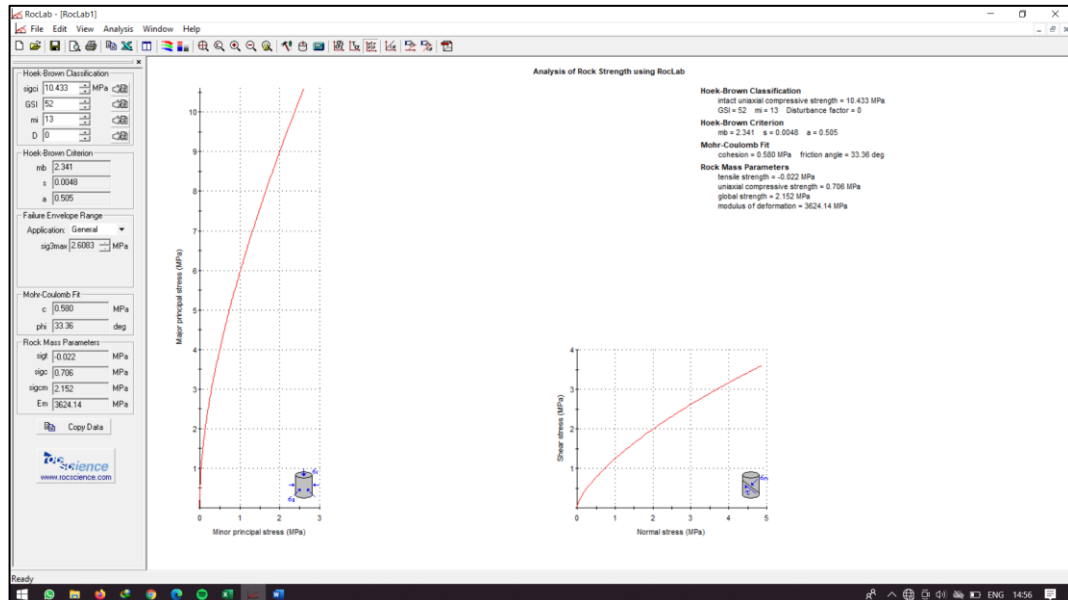
Gambar C. 2. Sudut Geser Dalam Segmen Campsite Selatan 840 B-C

3. Segmen Campsite Selatan 840 C-D



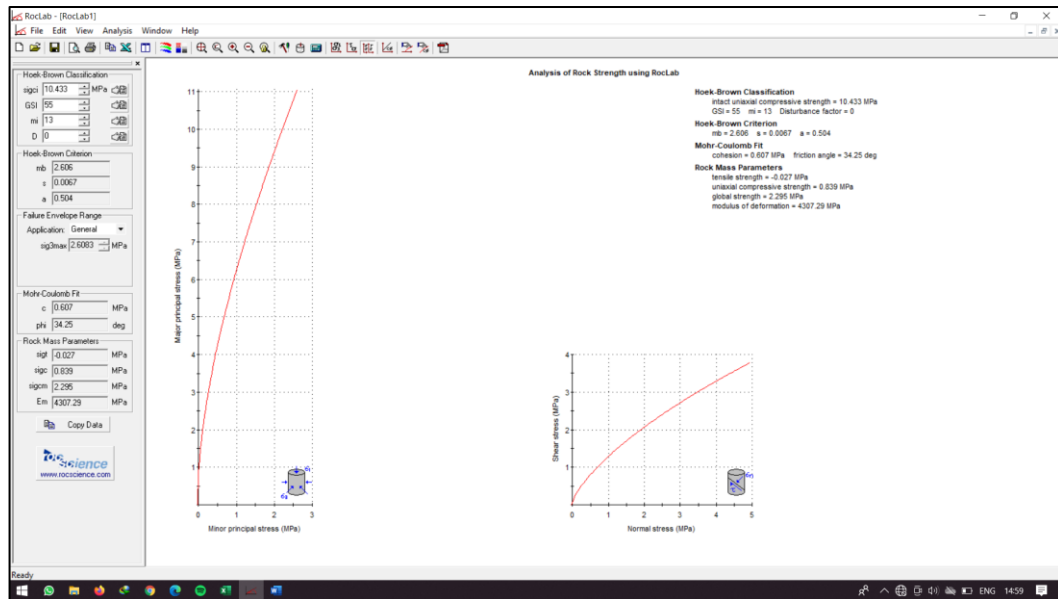
Gambar C. 3. Sudut Geser Dalam Segmen Campsite Selatan 840 C-D

4. Segmen Campsite Selatan 840 D-E



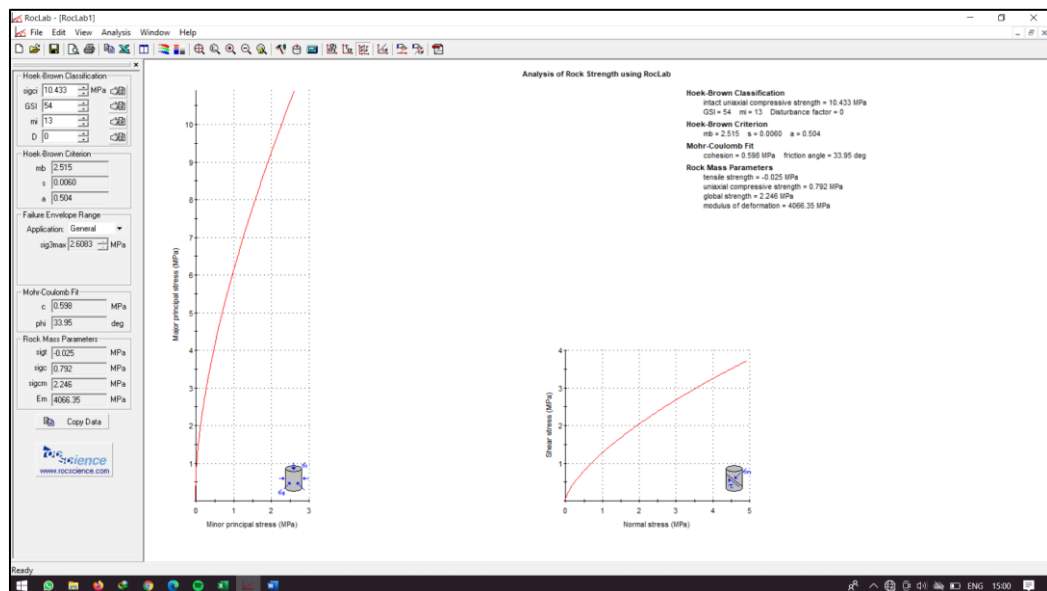
Gambar C. 4. Sudut Geser Dalam Segmen Campsite Selatan 840 D-E

5. Segmen Campsite Selatan 840 E-F



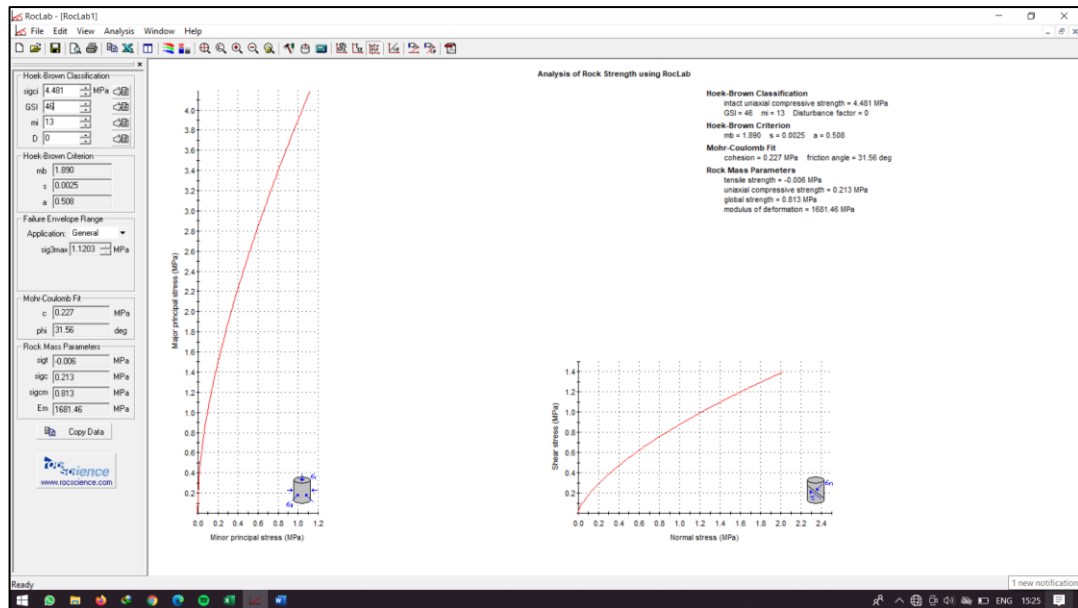
Gambar C. 5. Sudut Geser Dalam Segmen Campsite Selatan 840 E-F

6. Segmen Campsite Selatan 840 F-G



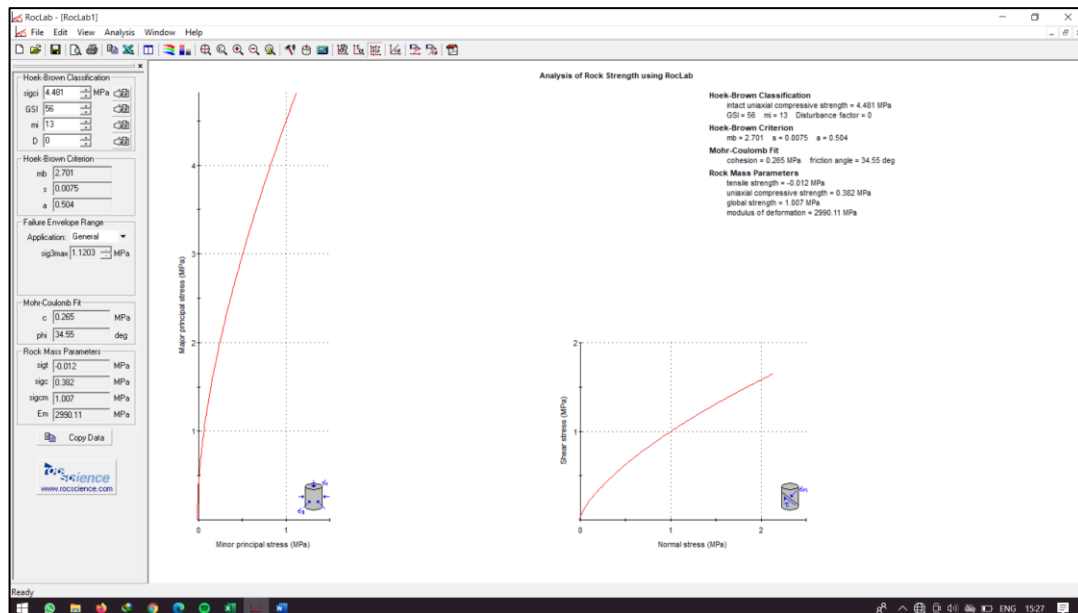
Gambar C. 6. Sudut Geser Dalam Segmen Campsite Selatan 840 F-G

7. Segmen Campsite Selatan 840 G-H



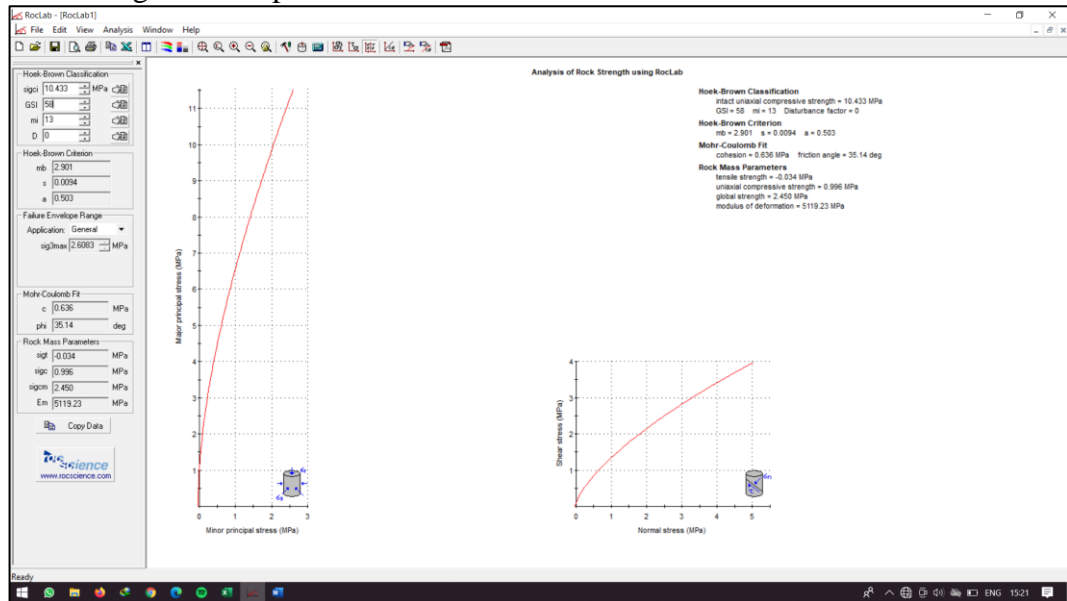
Gambar C. 7. Sudut Geser Dalam Segmen Campsite Selatan 840 G-H

8. Segmen Campsite Selatan 825 A-B



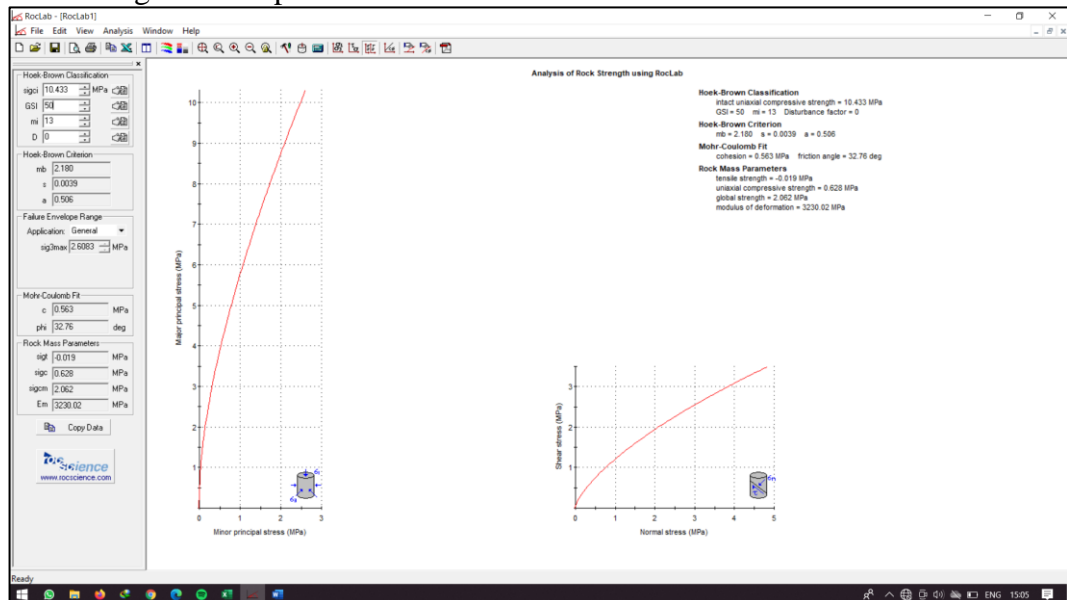
Gambar C. 8. Sudut Geser Dalam Segmen Campsite Selatan 825 A-B

9. Segmen Campsite Selatan 825 B-C



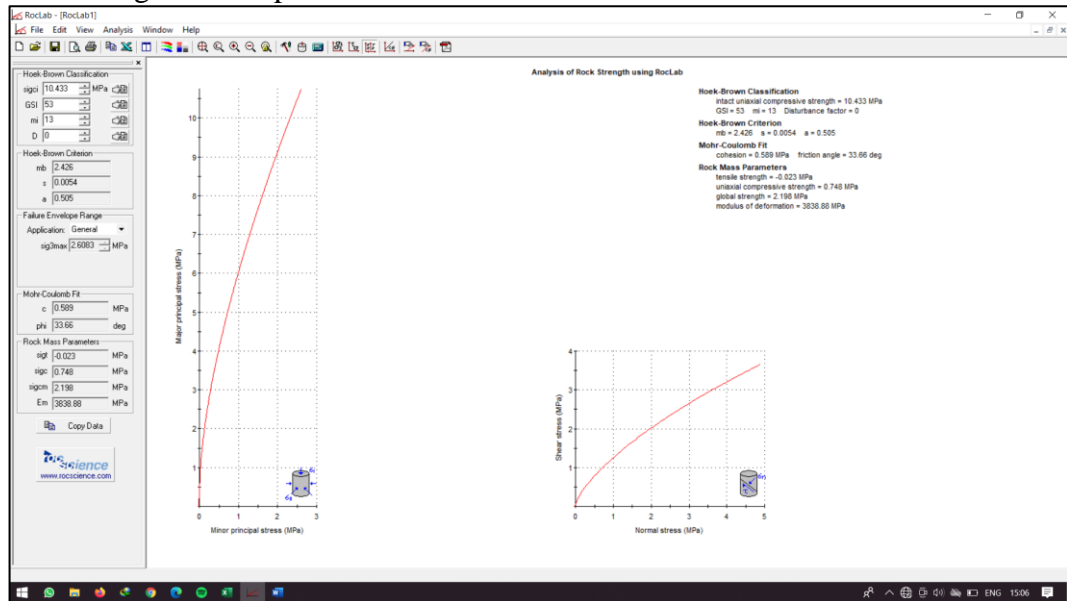
Gambar C. 9. Sudut Geser Dalam Segmen Campsite Selatan 825 B-C

10. Segmen Campsite Selatan 825 C-D



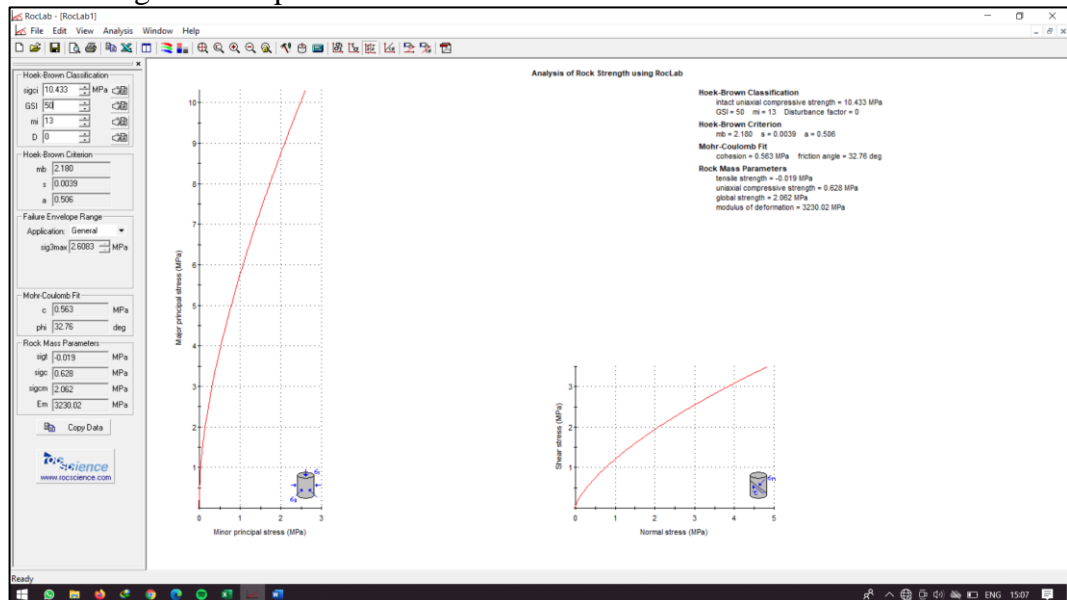
Gambar C. 10. Sudut Geser Dalam Segmen Campsite Selatan 825 C-D

11. Segmen Campsite Selatan 825 D-E



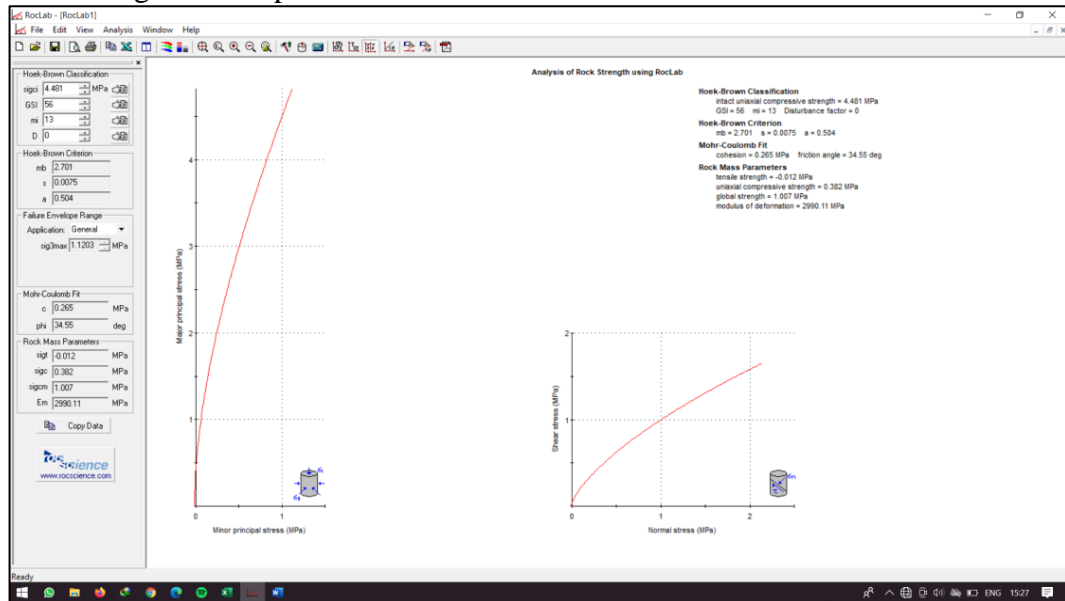
Gambar C. 11. Sudut Geser Dalam Segmen Campsite Selatan 825 D-E

12. Segmen Campsite Selatan 825 E-F



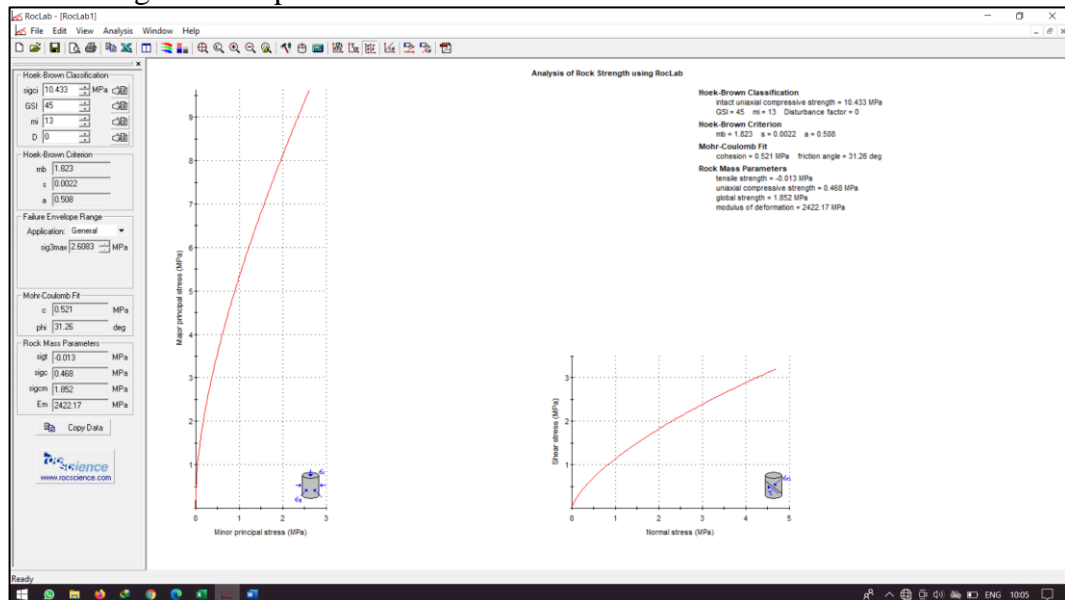
Gambar C. 12. Sudut Geser Dalam Segmen Campsite Selatan 825 E-F

13. Segmen Campsite Selatan 825 F-G



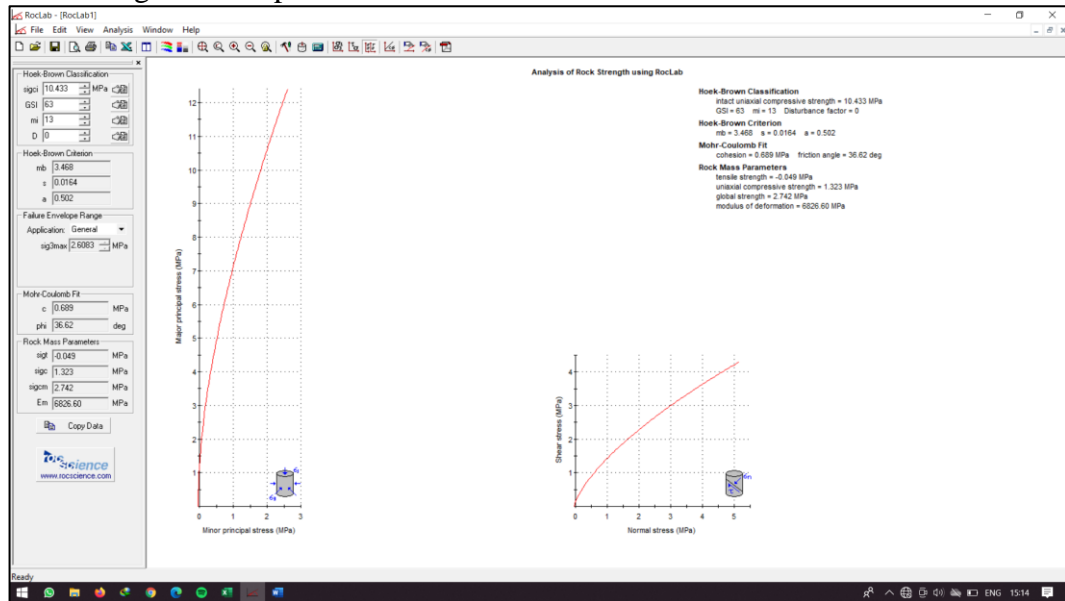
Gambar C. 13. Sudut Geser Dalam Segmen Campsite Selatan 825 F-G

14. Segmen Campsite Selatan 825 G-H



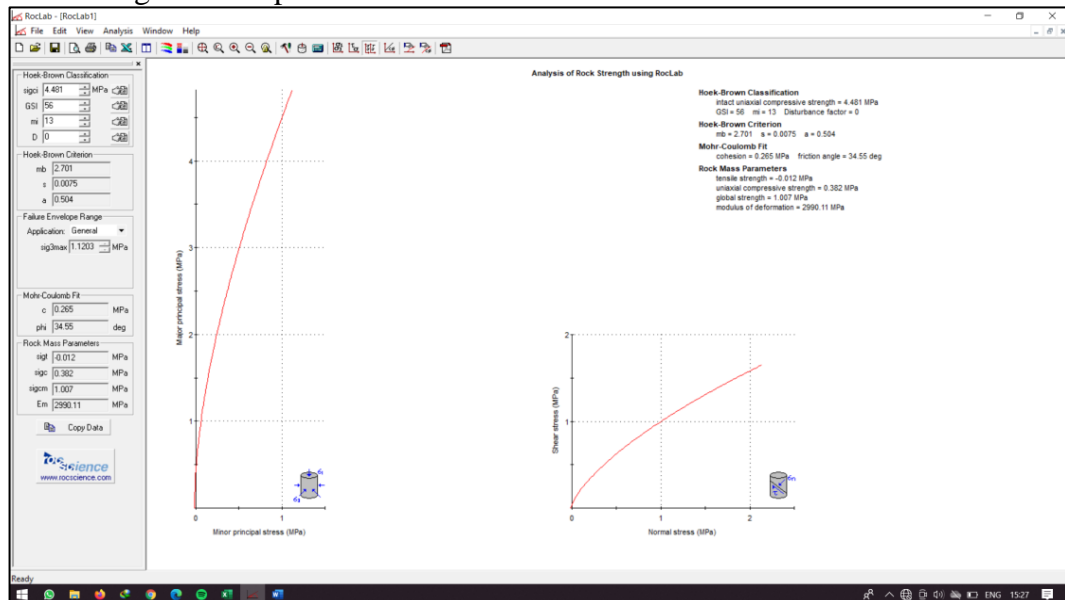
Gambar C. 14. Sudut Geser Dalam Segmen Campsite Selatan 825 G-H

15. Segmen Campsite Selatan 825 H-I



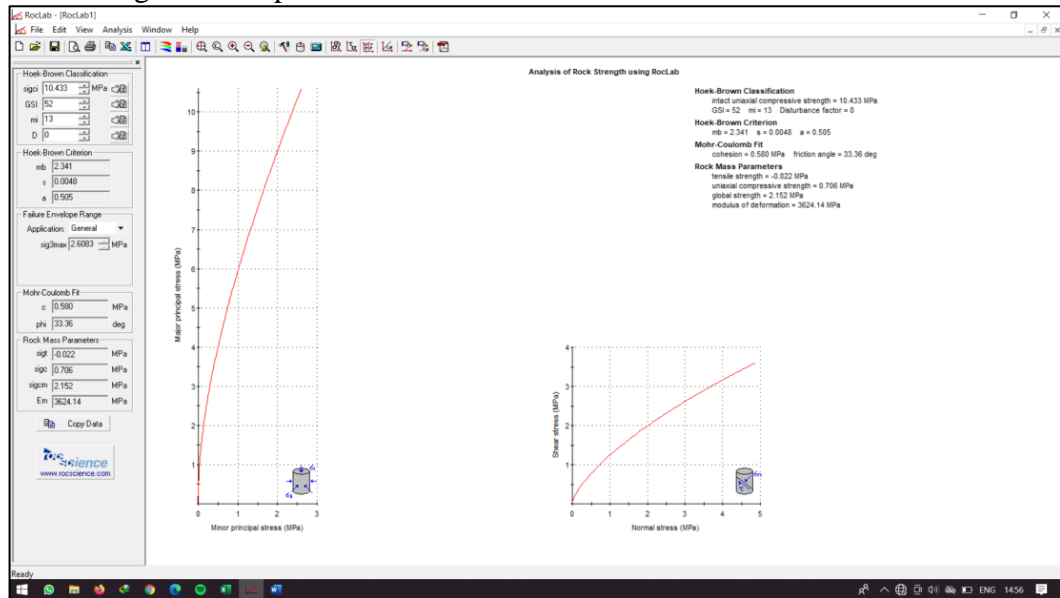
Gambar C. 15. Sudut Geser Dalam Segmen Campsite Selatan 825 H-I

16. Segmen Campsite Selatan 825 I-J



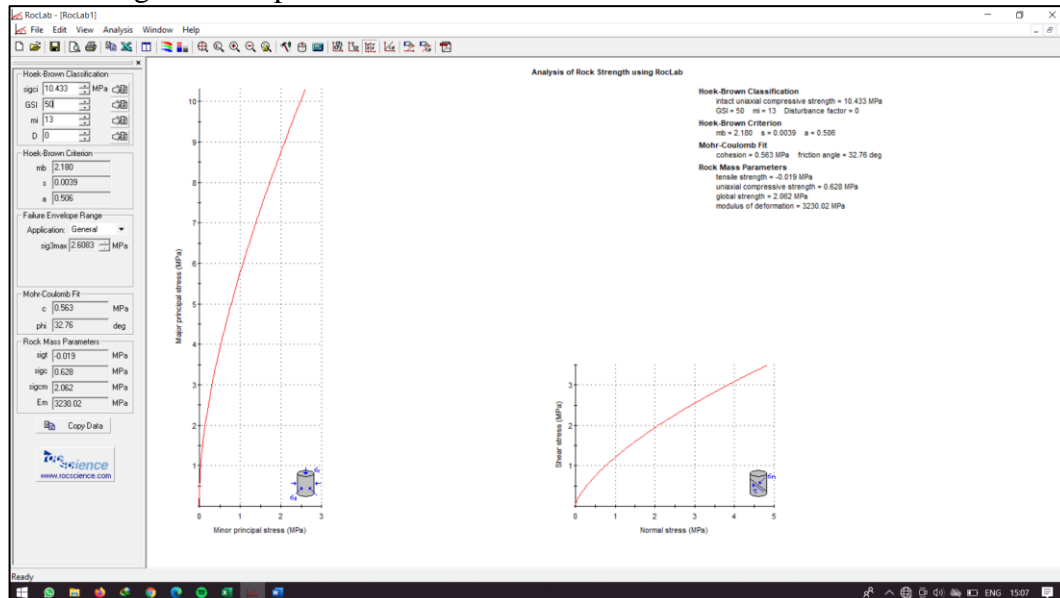
Gambar C. 16. Sudut Geser Dalam Segmen Campsite Selatan 825 I-J

17. Segmen Campsite Selatan 825 J-K



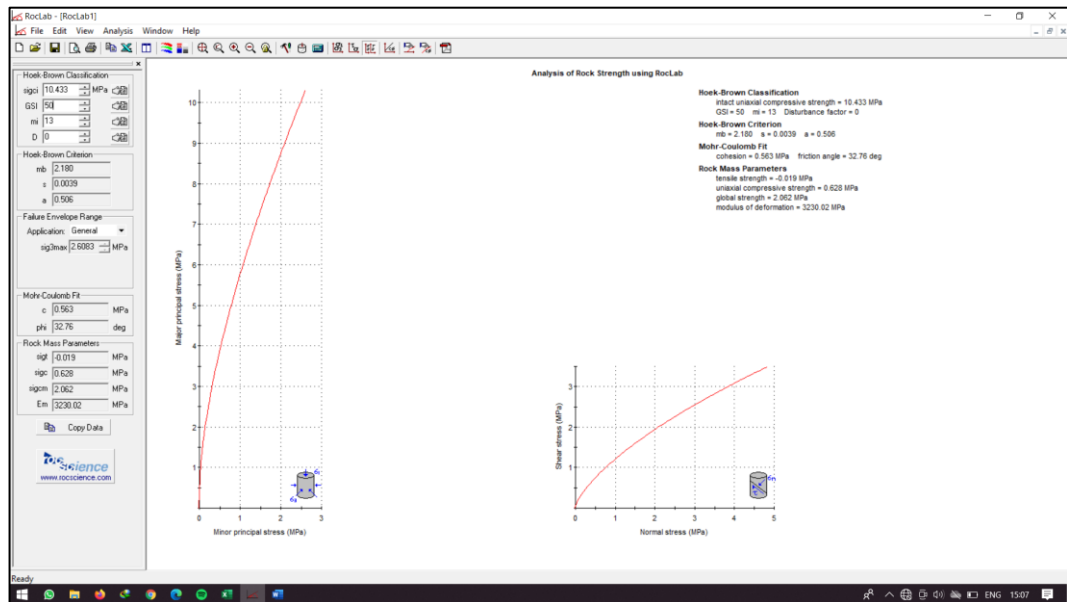
Gambar C. 17. Sudut Geser Dalam Segmen Campsite Selatan 825 J-K

18. Segmen Campsite Selatan 825 K-L



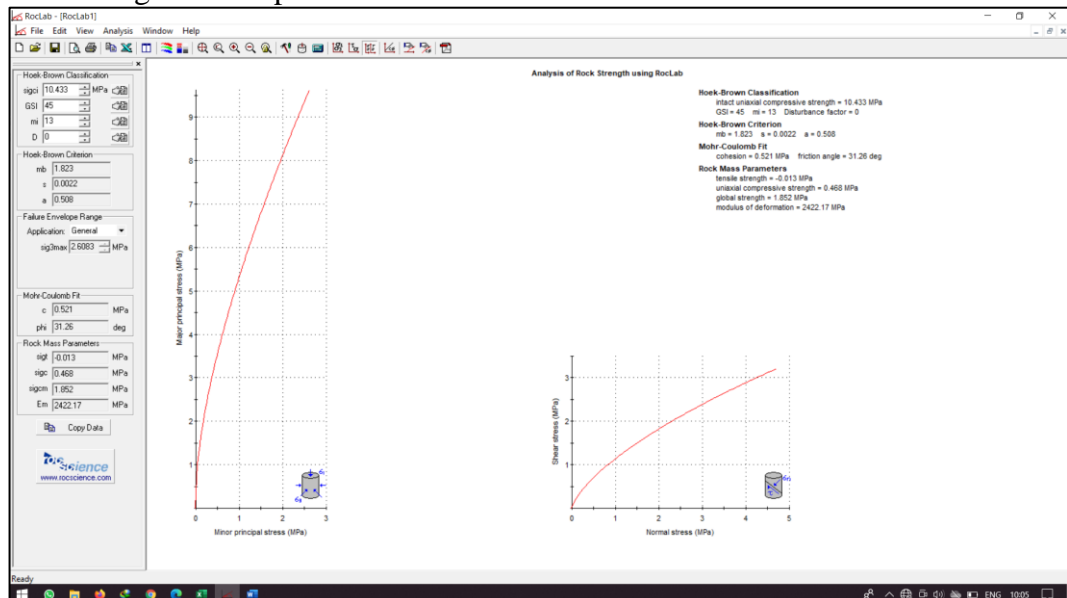
Gambar C. 18. Sudut Geser Dalam Segmen Campsite Selatan 825 K-L

19. Segmen Campsite Selatan 825 L-M



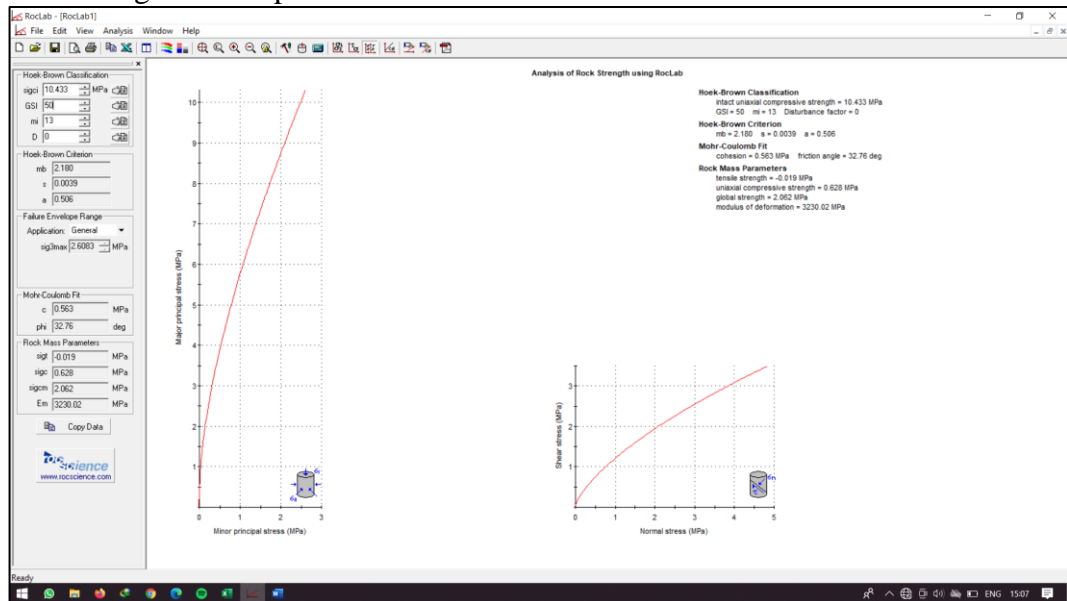
Gambar C. 19. Sudut Geser Dalam Segmen Campsite Selatan 825 L-M

20. Segmen Campsite Selatan 825 M-N



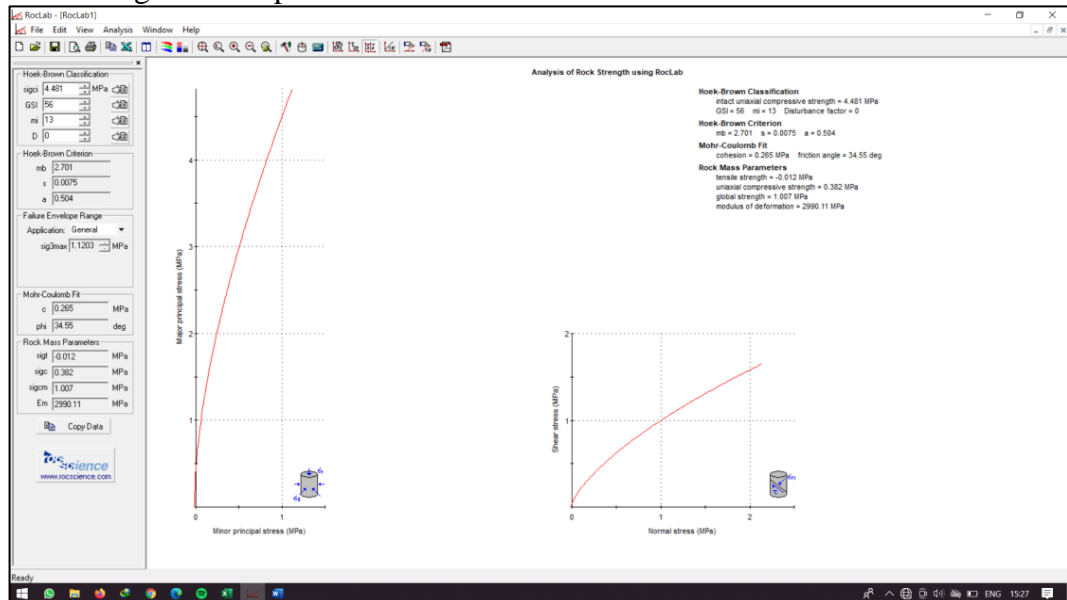
Gambar C. 20. Sudut Geser Dalam Segmen Campsite Selatan 825 M-N

21. Segmen Campsite Selatan 800 A-B



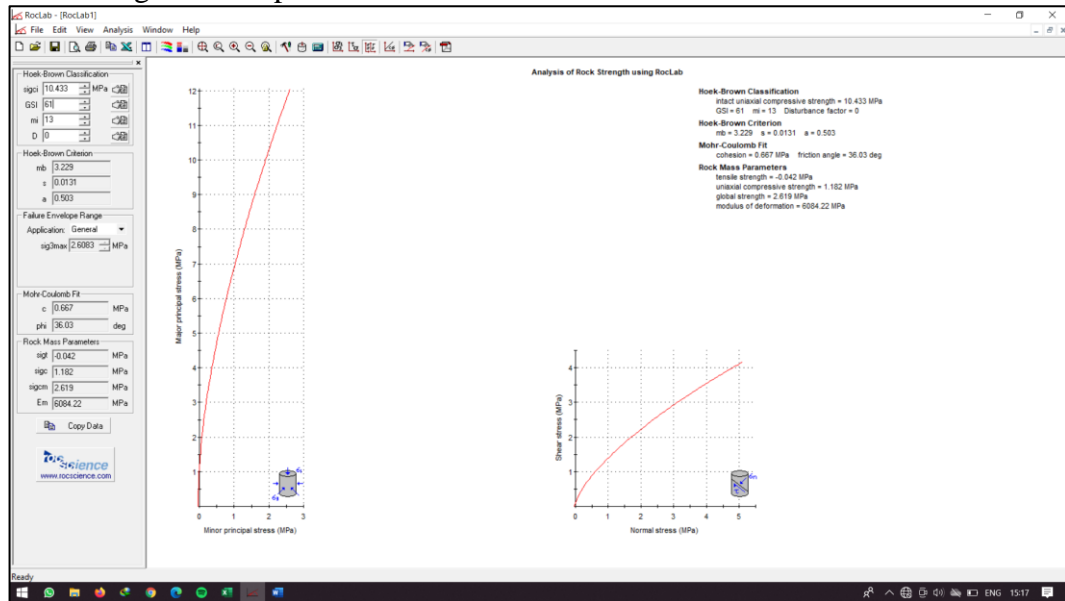
Gambar C. 21. Sudut Geser Dalam Segmen Campsite Selatan 800 A-B

22. Segmen Campsite Selatan 800 B-C



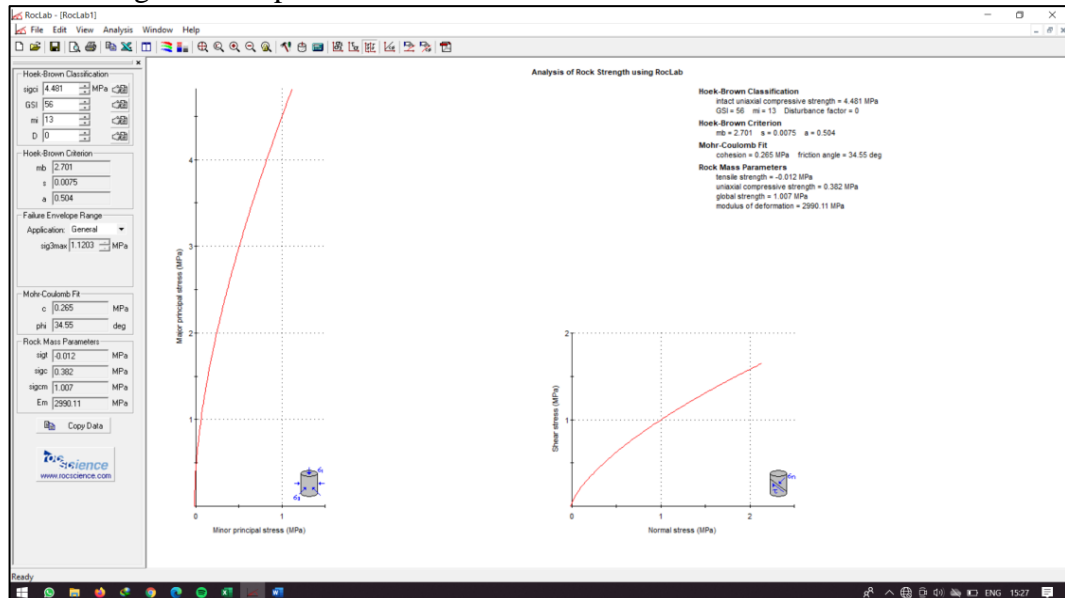
Gambar C. 22. Sudut Geser Dalam Segmen Campsite Selatan 800 B-C

23. Segmen Campsite Selatan 800 C-D



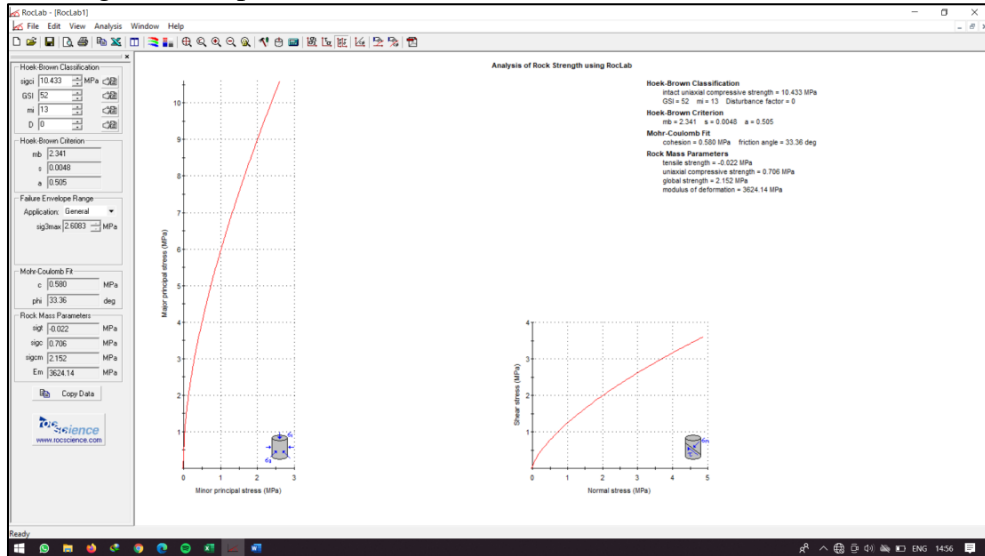
Gambar C. 23. Sudut Geser Dalam Segmen Campsite Selatan 800 C-D

24. Segmen Campsite Selatan 800 D-E



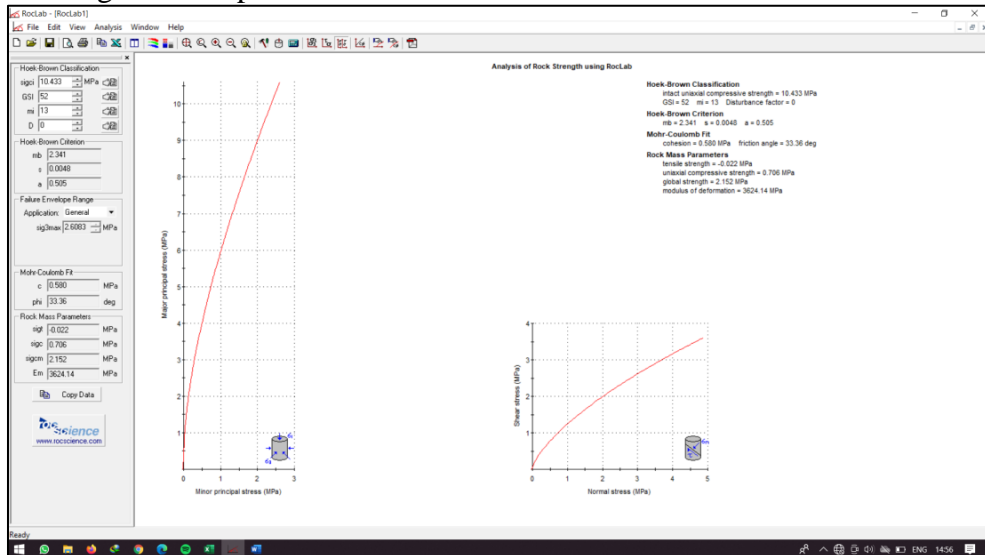
Gambar C. 24. Sudut Geser Dalam Segmen Campsite Selatan 800 D-E

25. Segmen Campsite Selatan 800 E-F



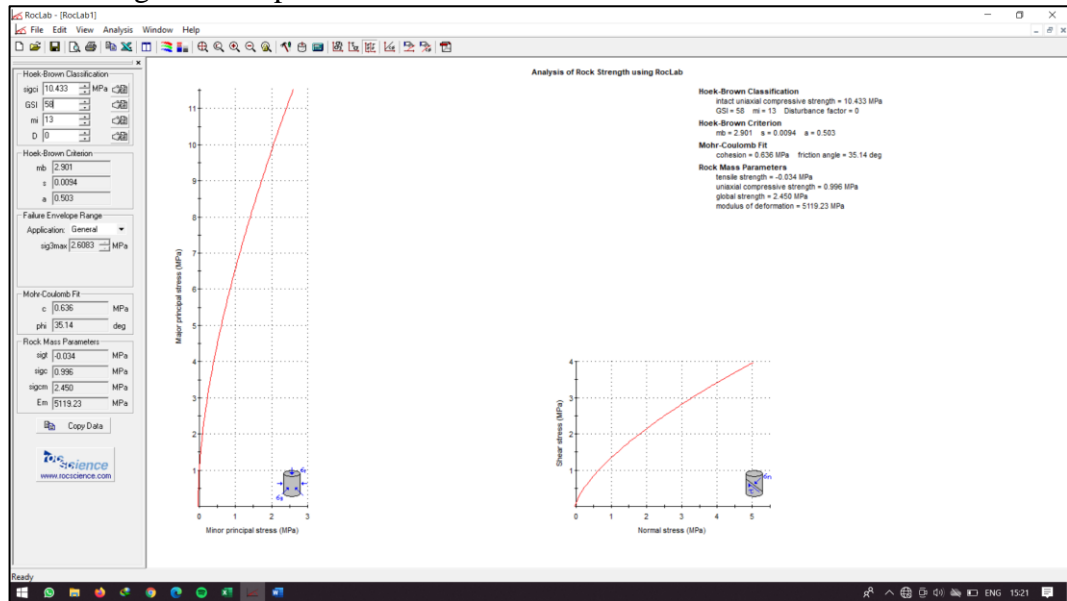
Gambar C. 25. Sudut Geser Dalam Segmen Campsite Selatan 800 E-F

26. Segmen Campsite Selatan 800 F-G



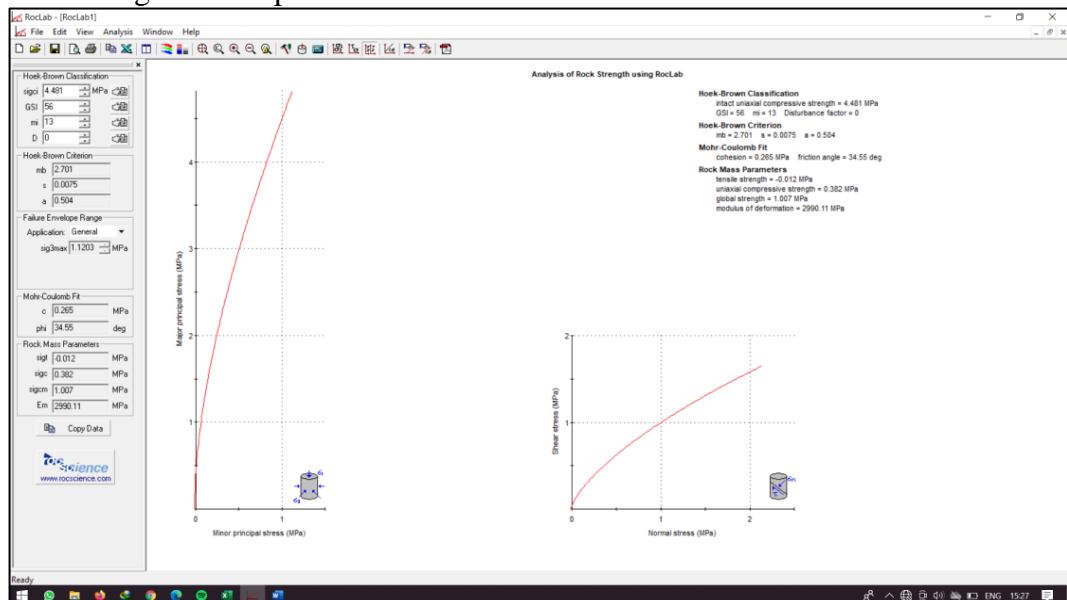
Gambar C. 26. Sudut Geser Dalam Segmen Campsite Selatan 800 F-G

27. Segmen Campsite Selatan 800 G-H



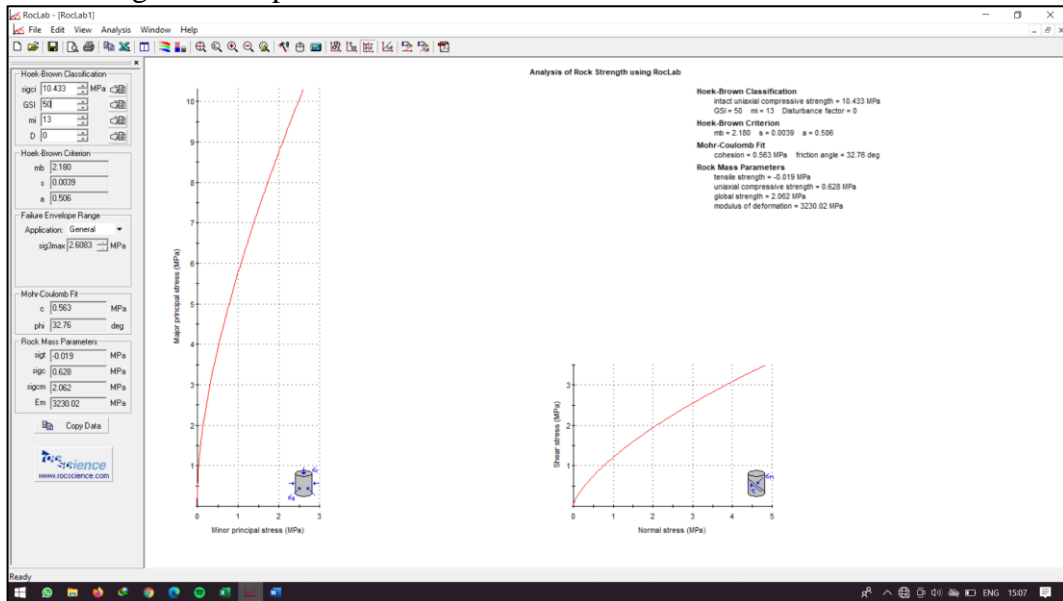
Gambar C. 27. Sudut Geser Dalam Segmen Campsite Selatan 800 G-H

28. Segmen Campsite Selatan 800 H-I



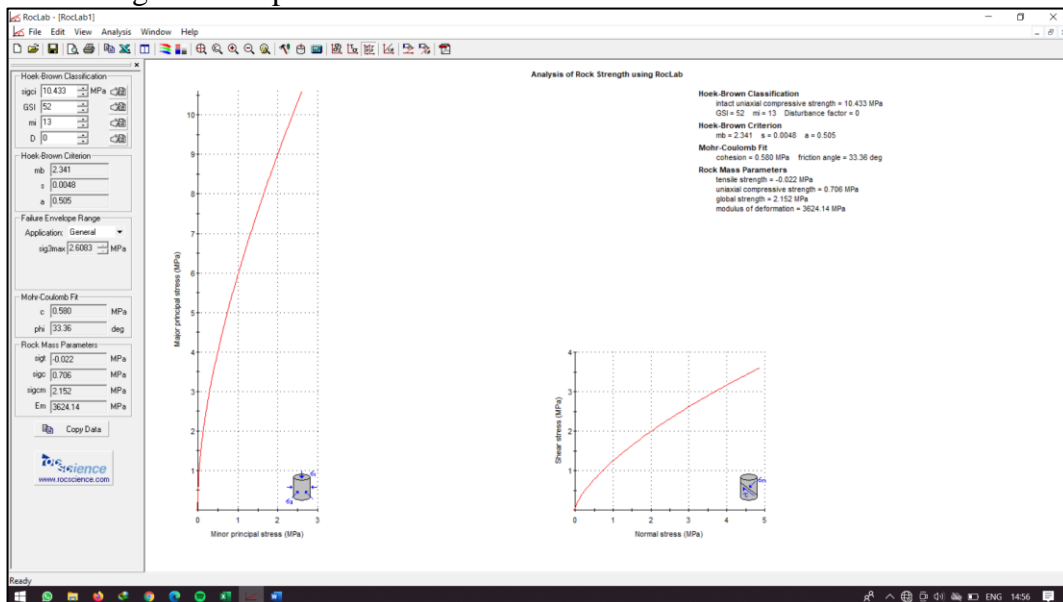
Gambar C. 28. Sudut Geser Dalam Segmen Campsite Selatan 800 H-I

29. Segmen Campsite Selatan 800 I-J



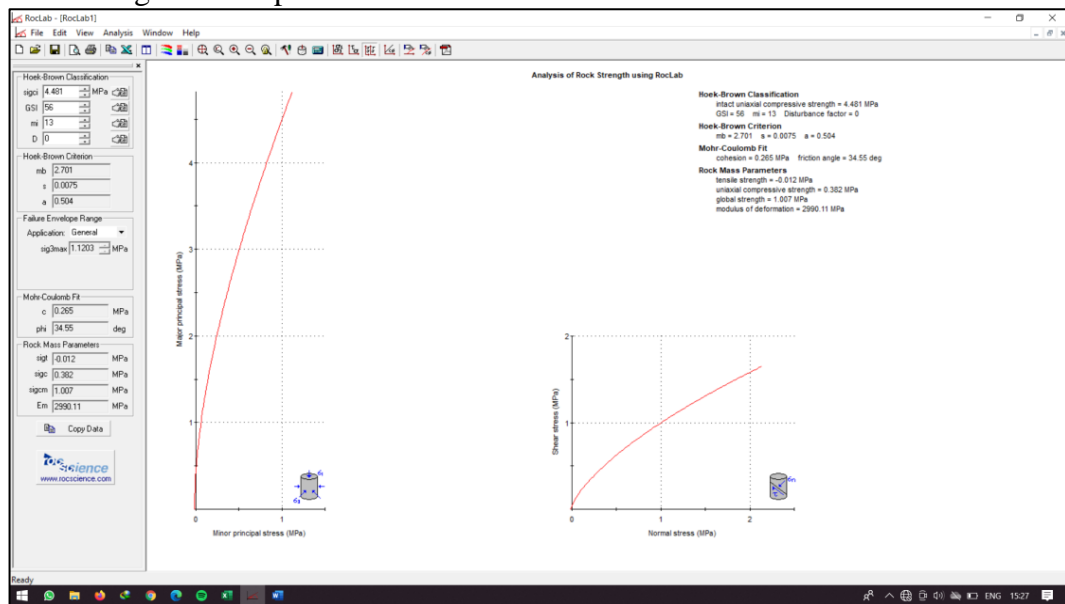
Gambar C. 29. Sudut Geser Dalam Segmen Campsite Selatan 800 I-J

30. Segmen Campsite Selatan 800 J-K



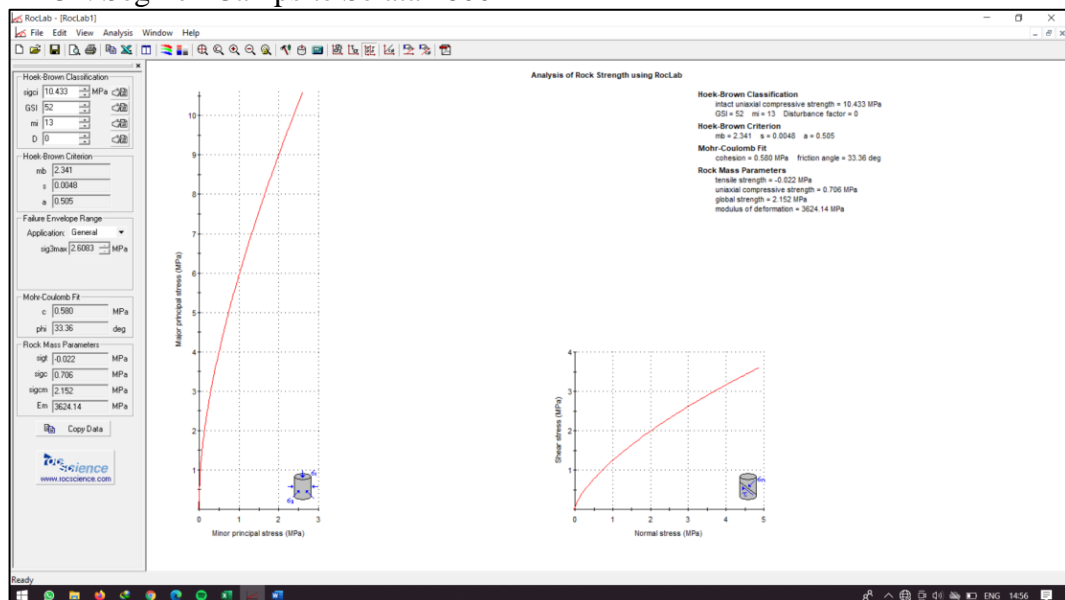
Gambar C. 30. Sudut Geser Dalam Segmen Campsite Selatan 800 J-K

31. Segmen Campsite Selatan 800 K-L



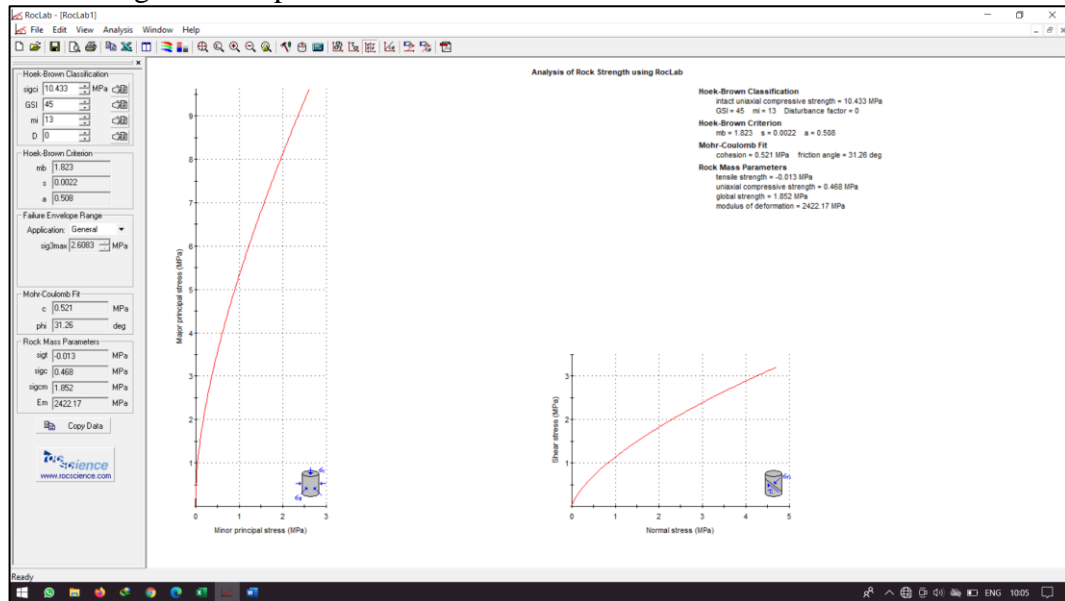
Gambar C. 31. Sudut Geser Dalam Segmen Campsite Selatan 800 K-L

32. Segmen Campsite Selatan 800 L-M



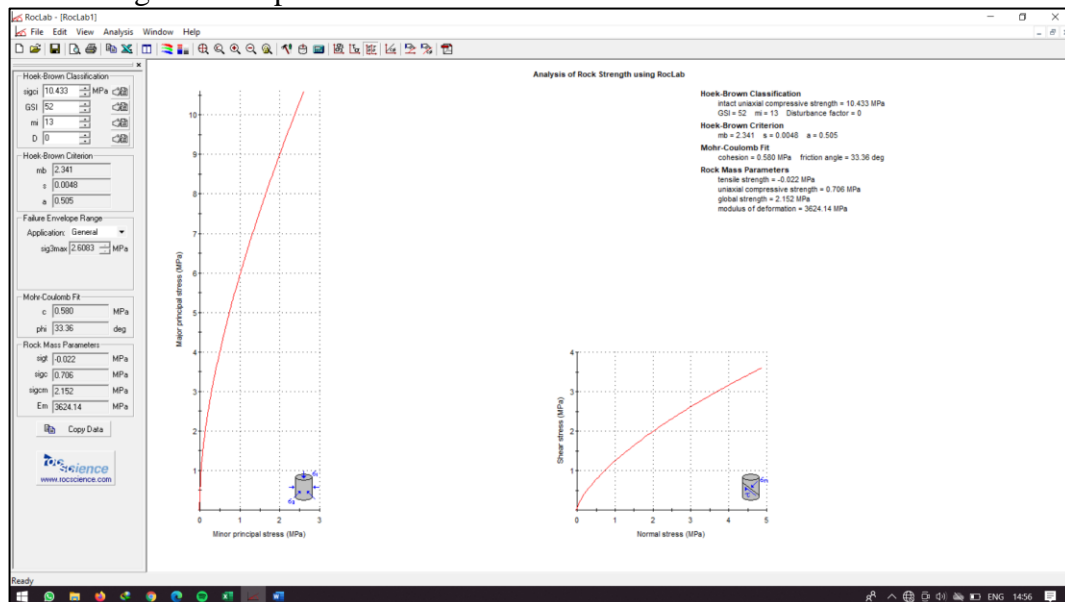
Gambar C. 32. Sudut Geser Dalam Segmen Campsite Selatan 800 L-M

33. Segmen Campsite Selatan 800 M-N



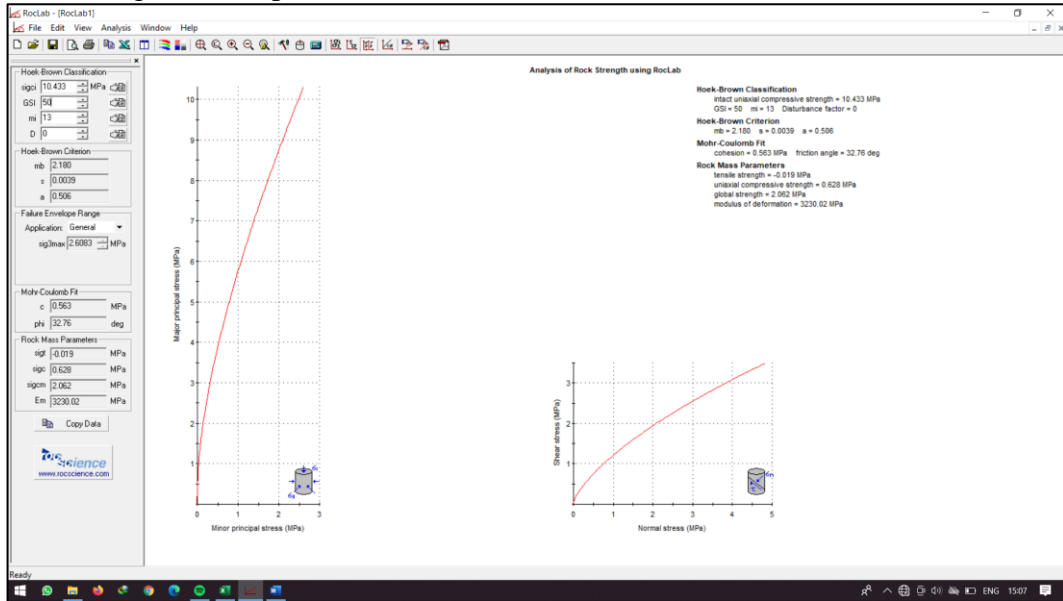
Gambar C. 33. Sudut Geser Dalam Segmen Campsite Selatan 800 M-N

34. Segmen Campsite Selatan 800 N-O



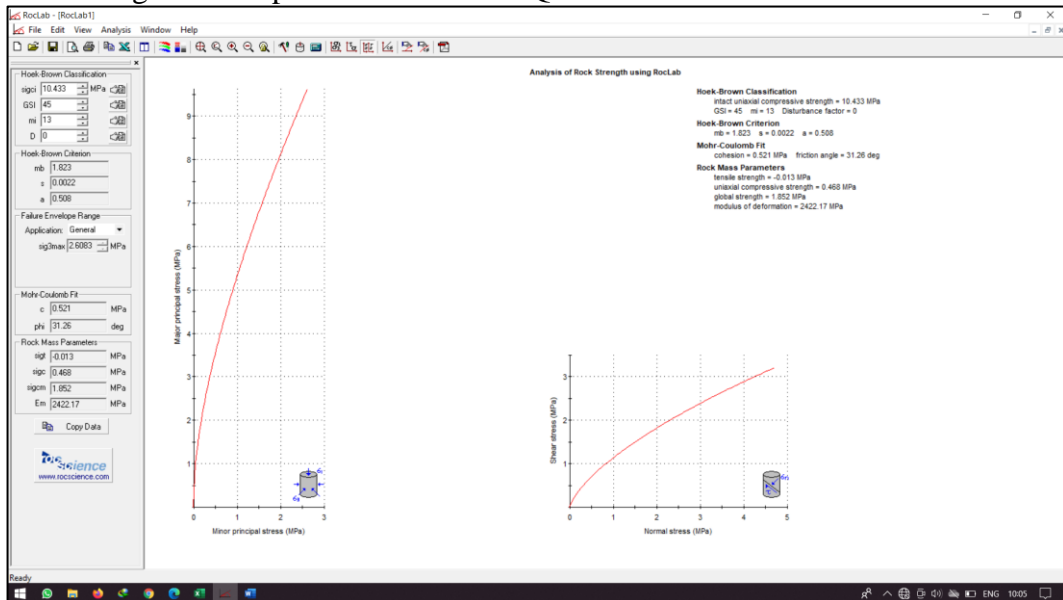
Gambar C. 34. Sudut Geser Dalam Segmen Campsite Selatan 800 N-O

35. Segmen Campsite Selatan 800 O-P



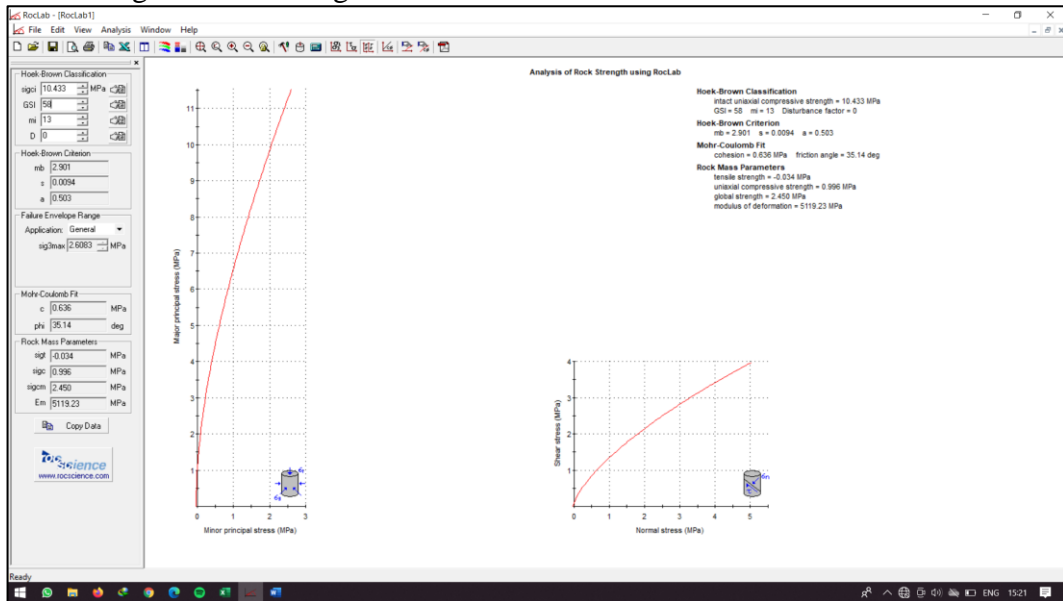
Gambar C. 35. Sudut Geser Dalam Segmen Campsite Selatan 800 O-P

36. Segmen Campsite Selatan 800 P-Q



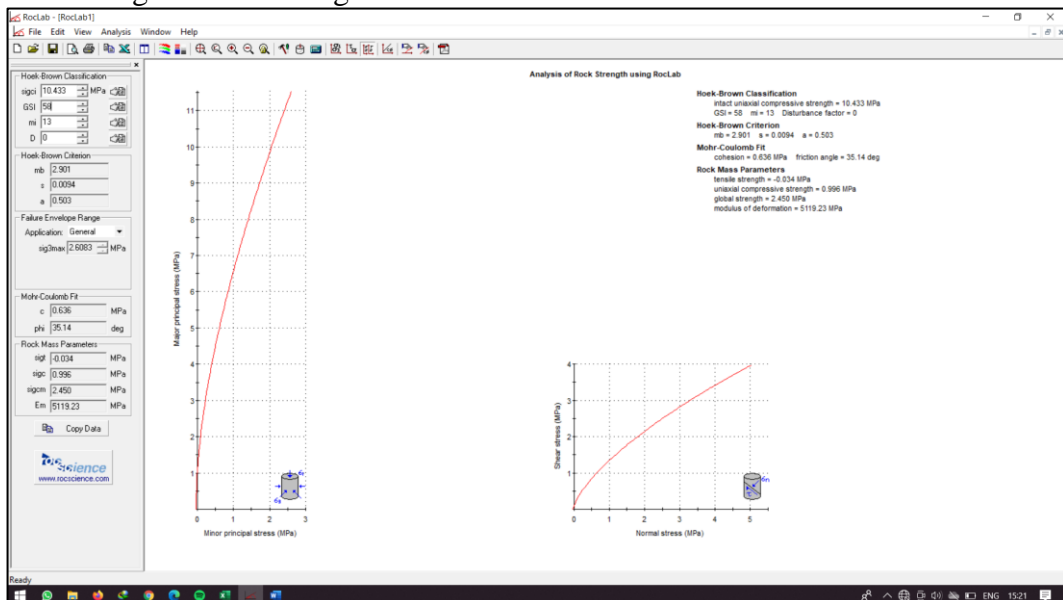
Gambar C. 36. Sudut Geser Dalam Segmen Campsite Selatan 800 P-Q

37. Segmen Main Ridge 780 A-B



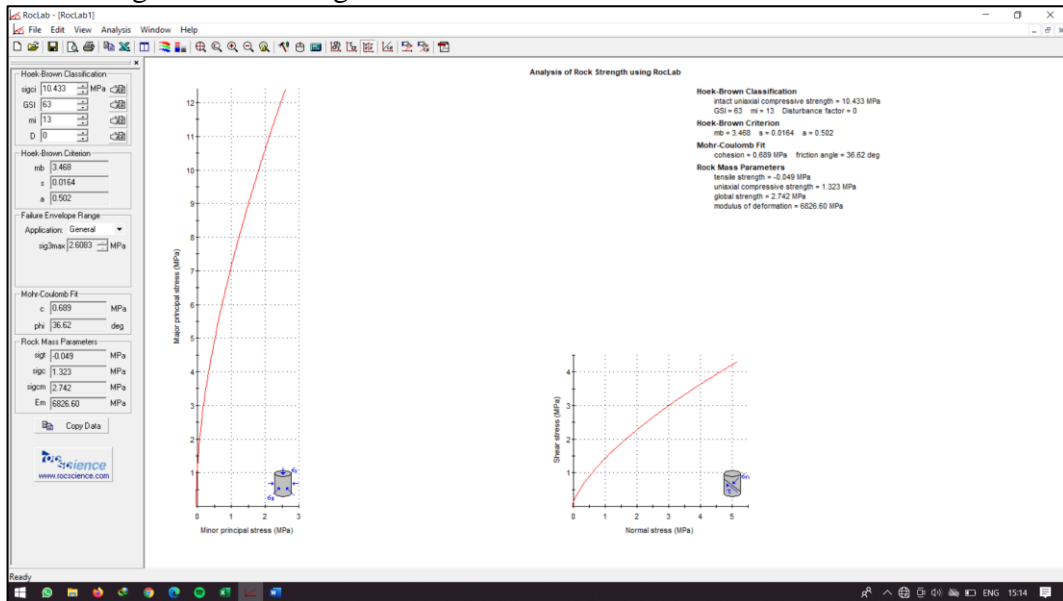
Gambar C. 37. Sudut Geser Dalam Segmen Main Ridge 780 A-B

38. Segmen Main Ridge 780 B-C



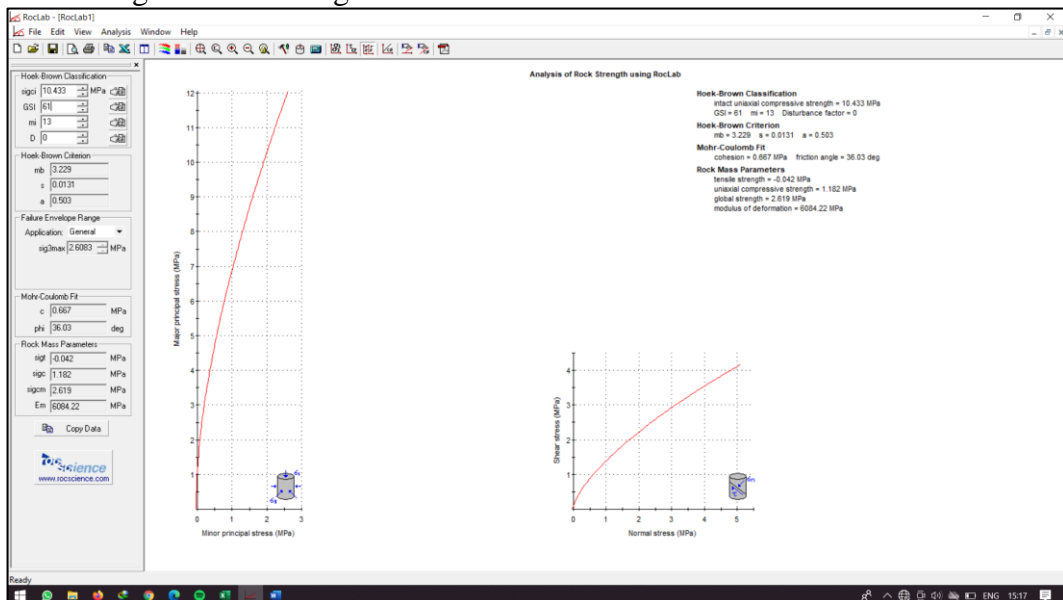
Gambar C. 38. Sudut Geser Dalam Segmen Main Ridge 780 B-C

39. Segmen Main Ridge 780 C-D



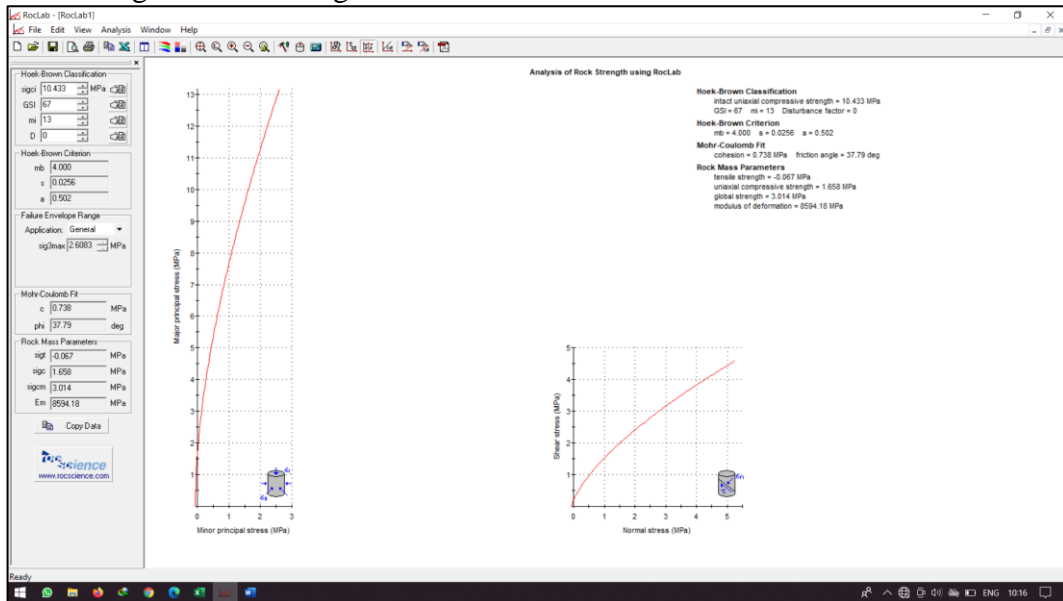
Gambar C. 39. Sudut Geser Dalam Segmen Main Ridge 780 C-D

40. Segmen Main Ridge 780 D-E



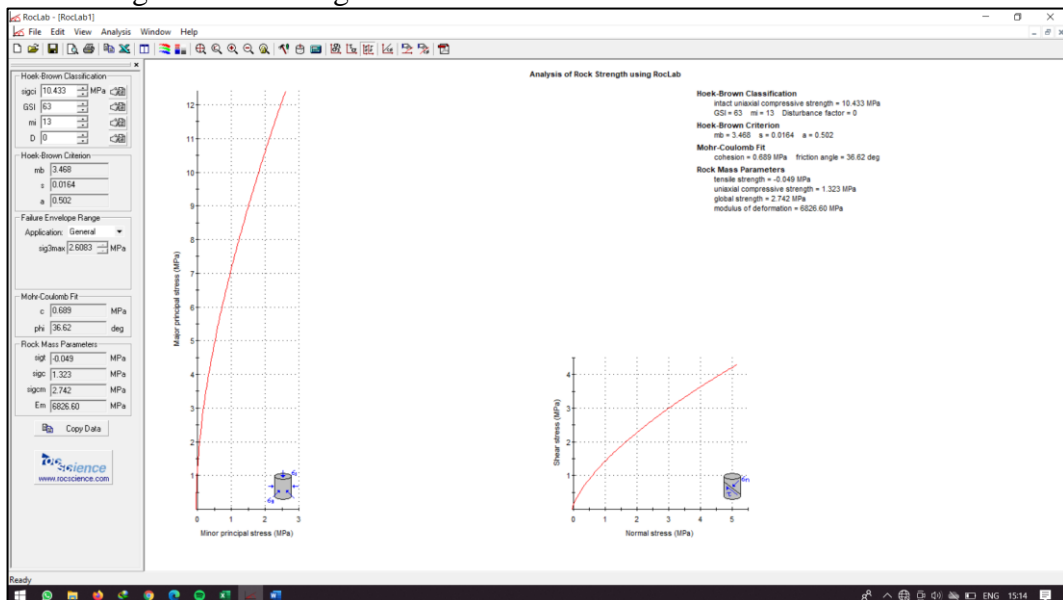
Gambar C. 40. Sudut Geser Dalam Segmen Main Ridge 780 D-E

41. Segmen Main Ridge 760 A-B



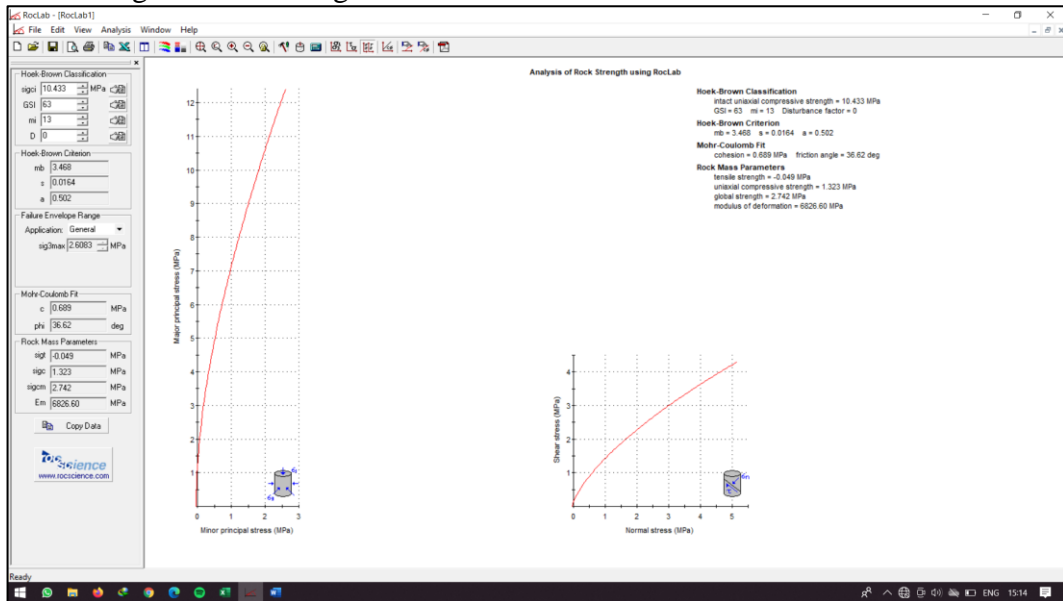
Gambar C. 41. Sudut Geser Dalam Segmen Main Ridge 760 A-B

42. Segmen Main Ridge 760 B-C



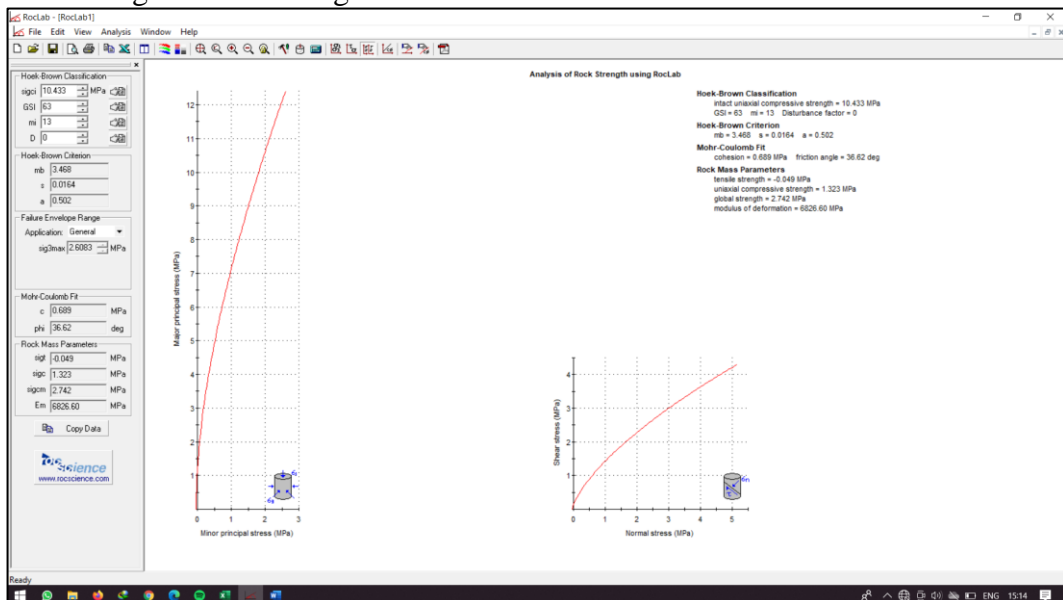
Gambar C. 42. Sudut Geser Dalam Segmen Main Ridge 760 B-C

43. Segmen Main Ridge 760 C-D



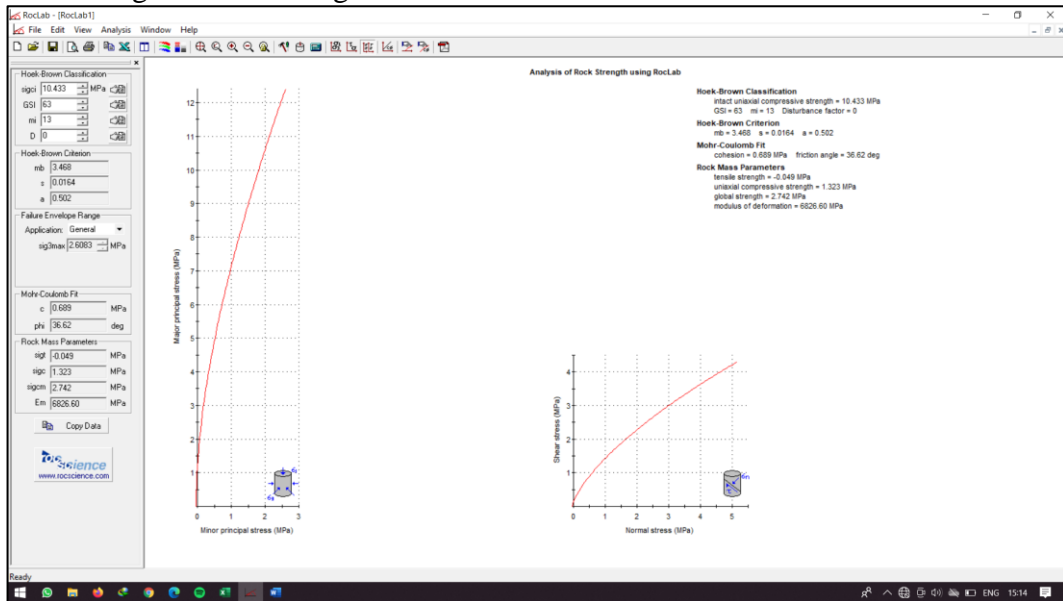
Gambar C. 43. Sudut Geser Dalam Segmen Main Ridge 760 C-D

44. Segmen Main Ridge 760 D-E



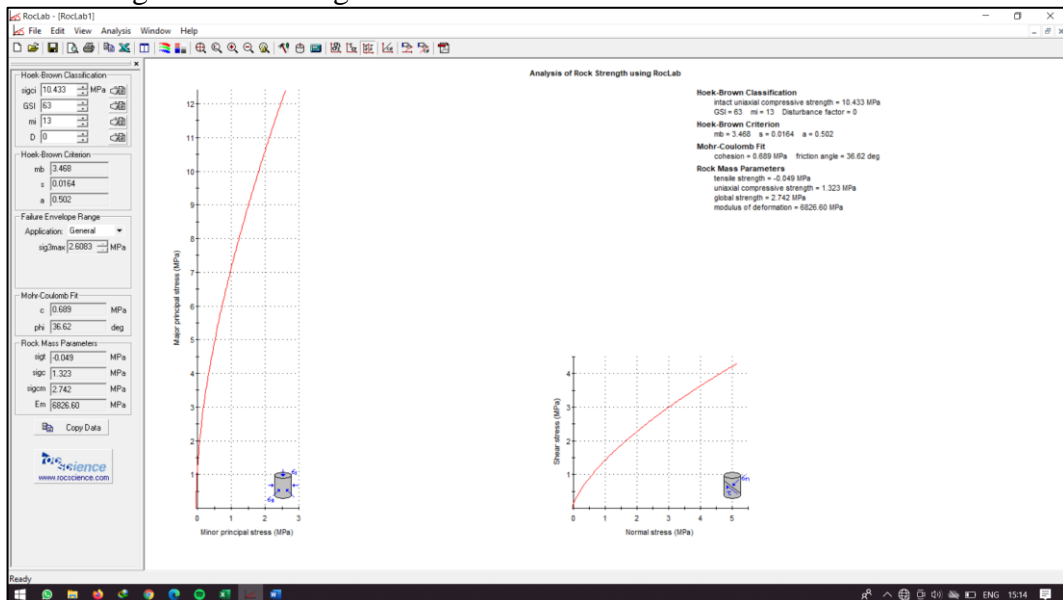
Gambar C. 44. Sudut Geser Dalam Segmen Main Ridge 760 D-E

45. Segmen Main Ridge 760 E-F



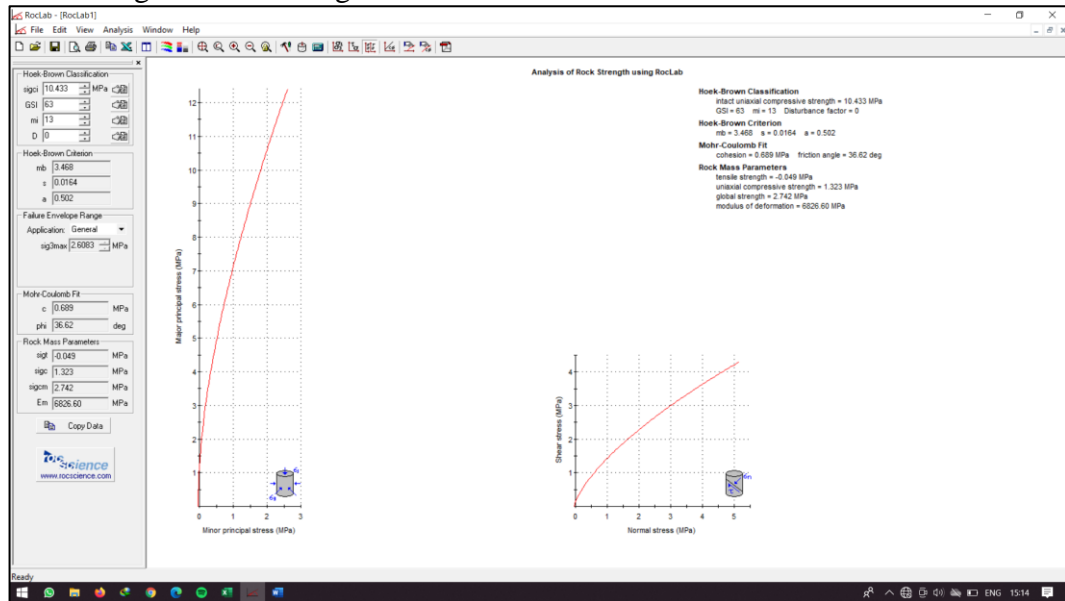
Gambar C. 45. Sudut Geser Dalam Segmen Main Ridge 760 E-F

46. Segmen Main Ridge 760 F-G



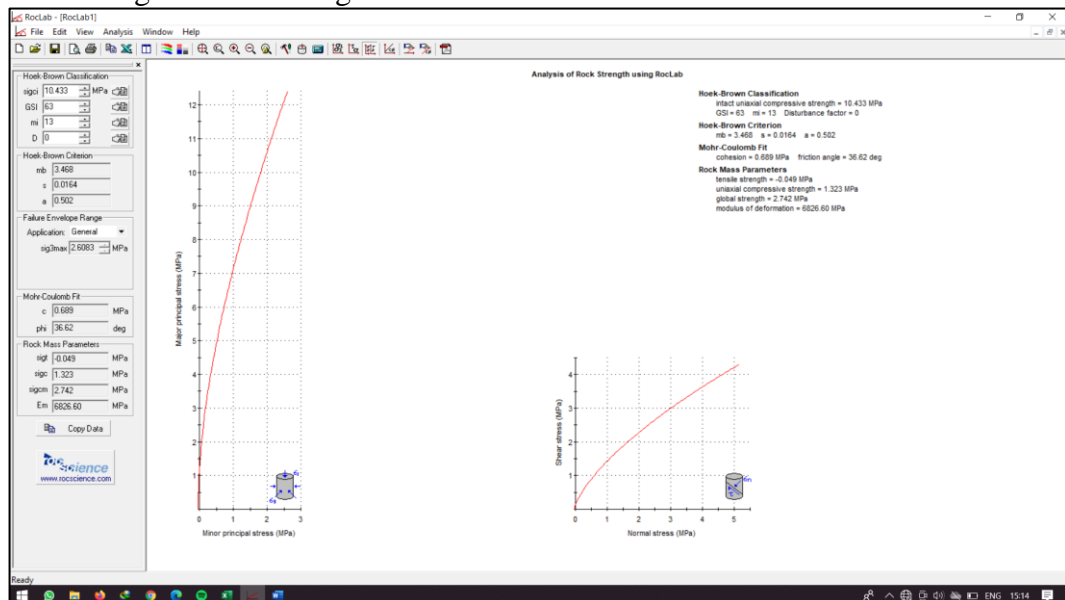
Gambar C. 46. Sudut Geser Dalam Segmen Main Ridge 760 F-G

47. Segmen Main Ridge 760 G-H



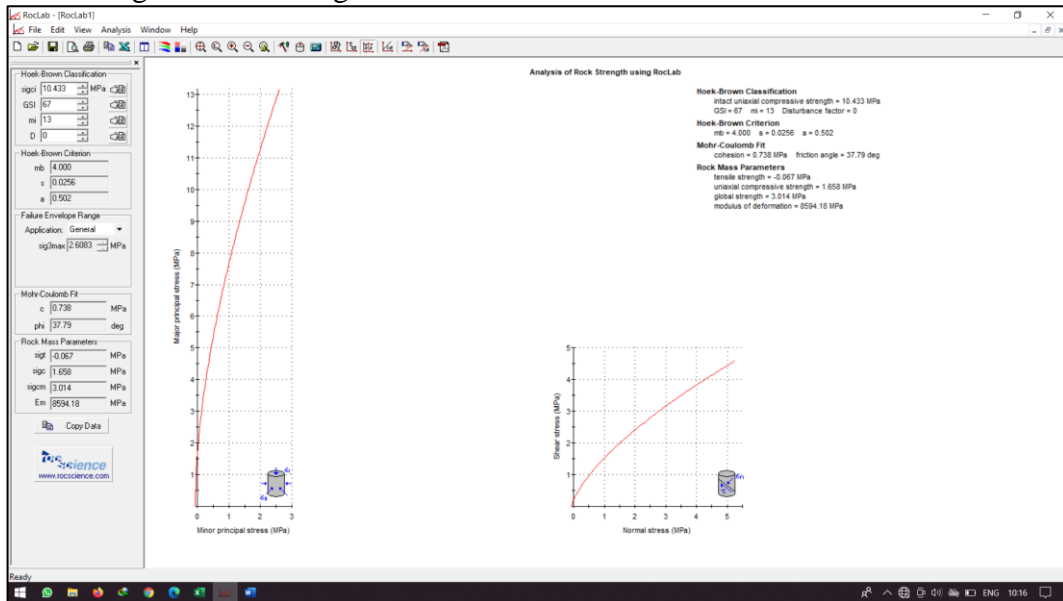
Gambar C. 47. Sudut Geser Dalam Segmen Main Ridge 760 G-H

48. Segmen Main Ridge 760 H-I



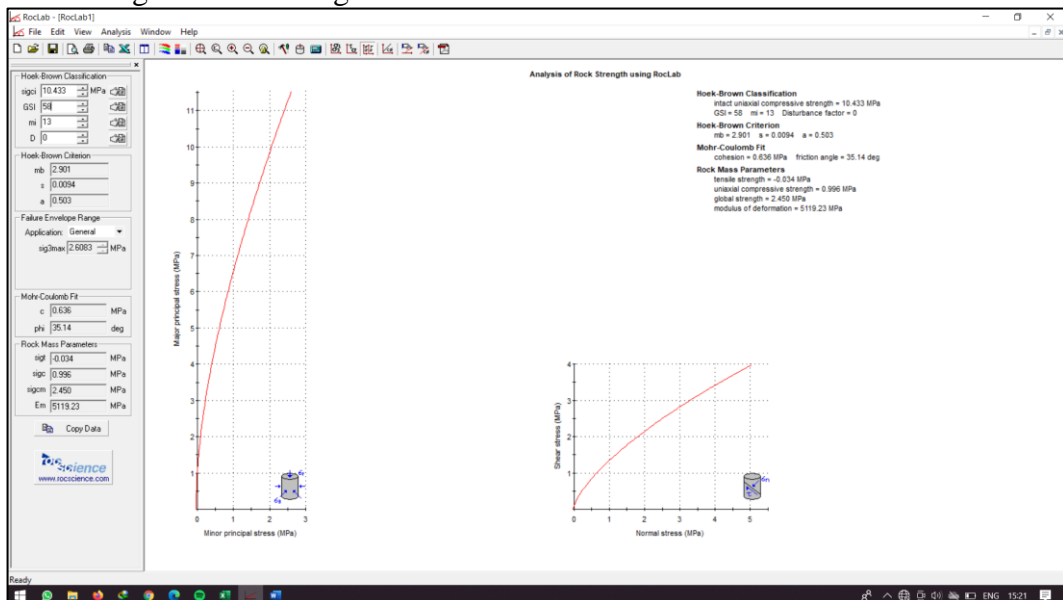
Gambar C. 48. Sudut Geser Dalam Segmen Main Ridge 760 H-I

49. Segmen Main Ridge 760 I-J



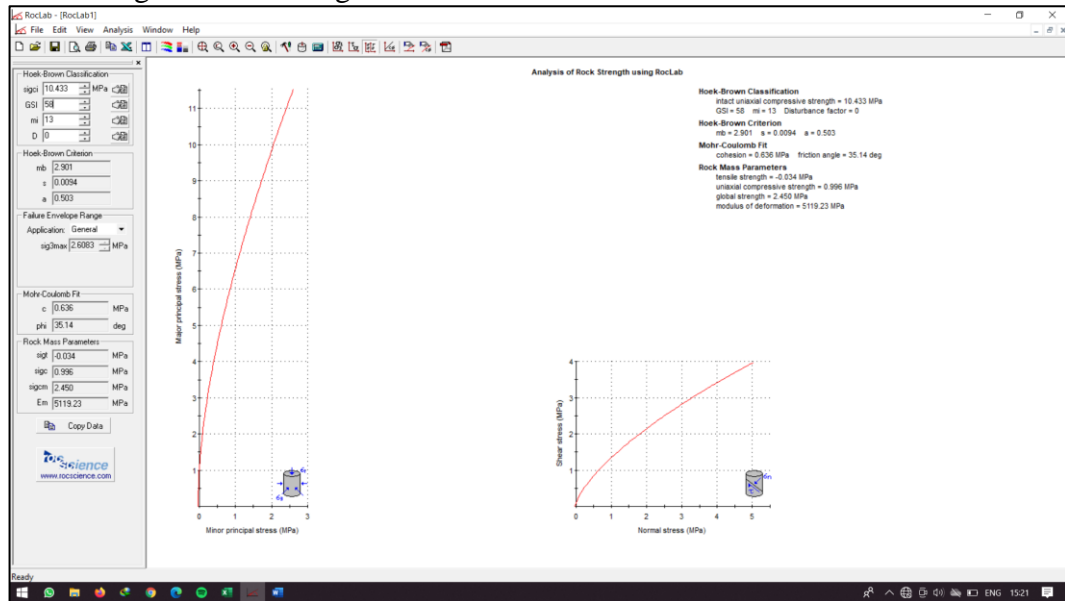
Gambar C. 49. Sudut Geser Dalam Segmen Main Ridge 760 I-J

50. Segmen Main Ridge 760 J-K



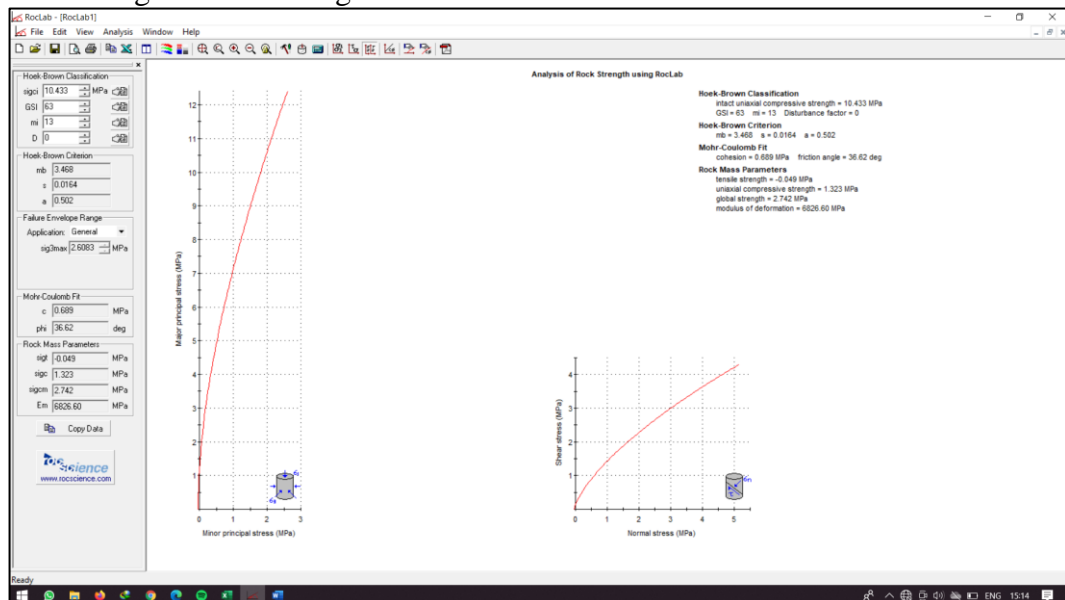
Gambar C. 50. Sudut Geser Dalam Segmen Main Ridge 760 J-K

51. Segmen Main Ridge 760 K-L



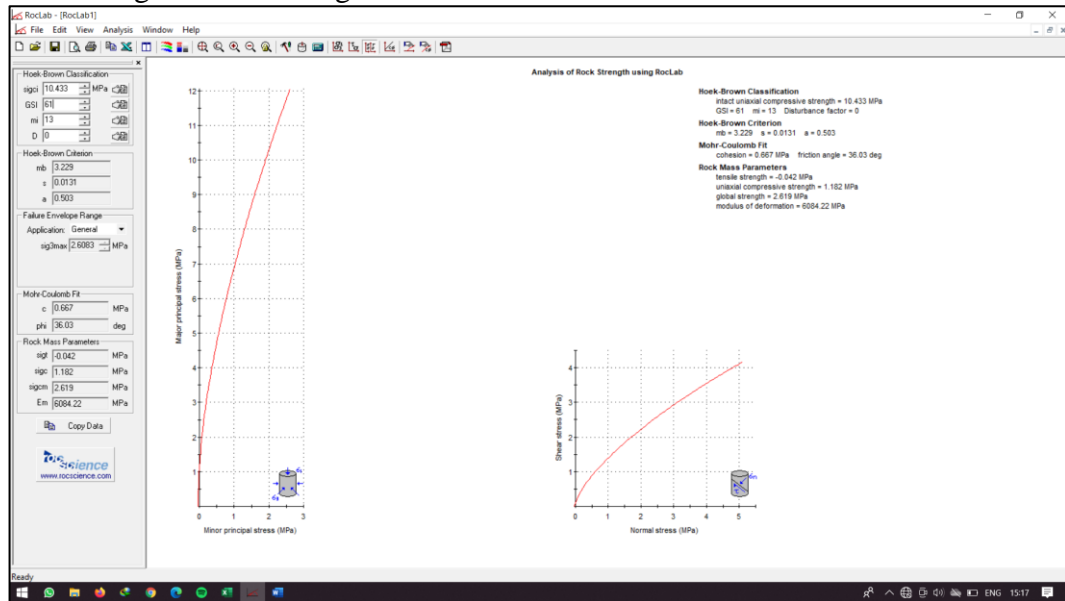
Gambar C. 51. Sudut Geser Dalam Segmen Main Ridge 760 K-L

52. Segmen Main Ridge 760 L-M



Gambar C. 52. Sudut Geser Dalam Segmen Main Ridge 760 L-M

53. Segmen Main Ridge 760 M-N

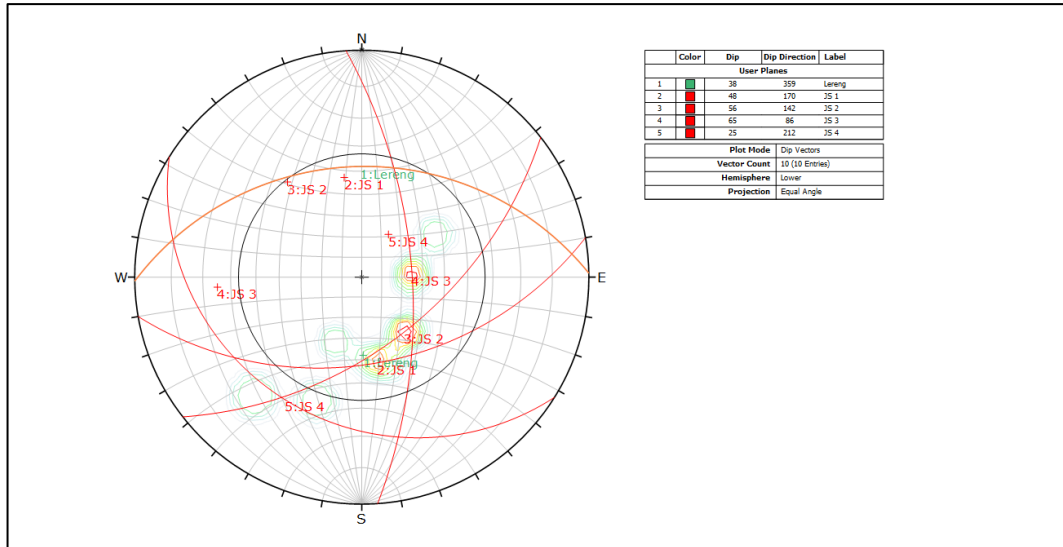


Gambar C. 53. Sudut Geser Dalam Segmen Main Ridge 760 M-N

LAMPIRAN D

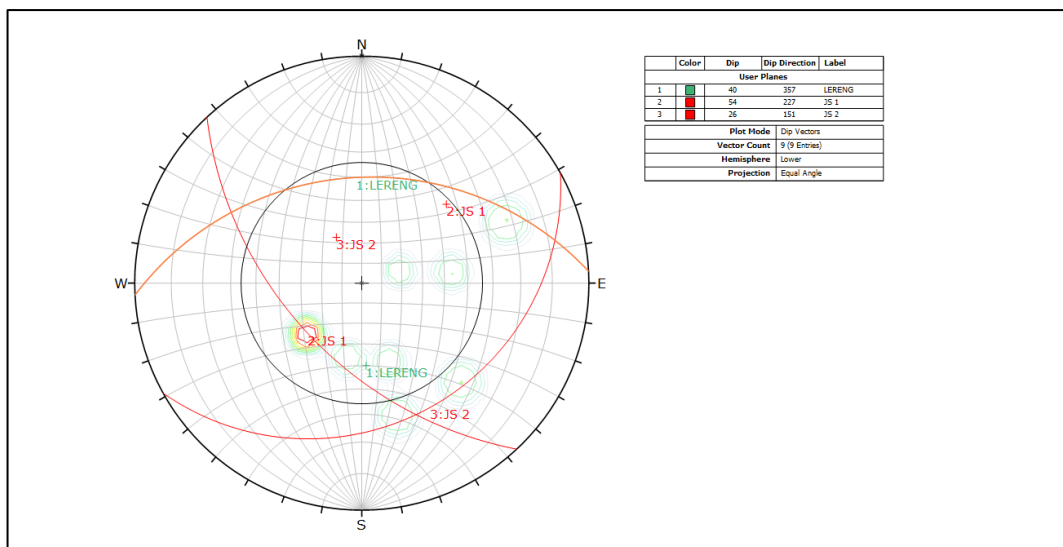
HASIL ANALISIS KINEMATIK

1. Segmen Campsite Selatan 840 A-B



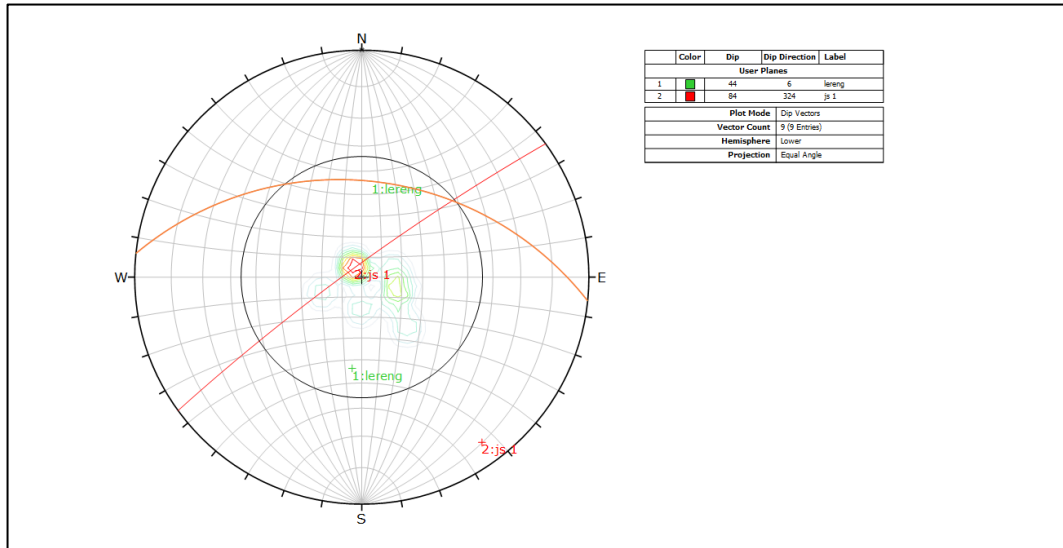
Gambar D. 1. Hasil Kinematik Segmen Campsite Selatan 840 A-B

2. Segmen Campsite Selatan 840 B-C



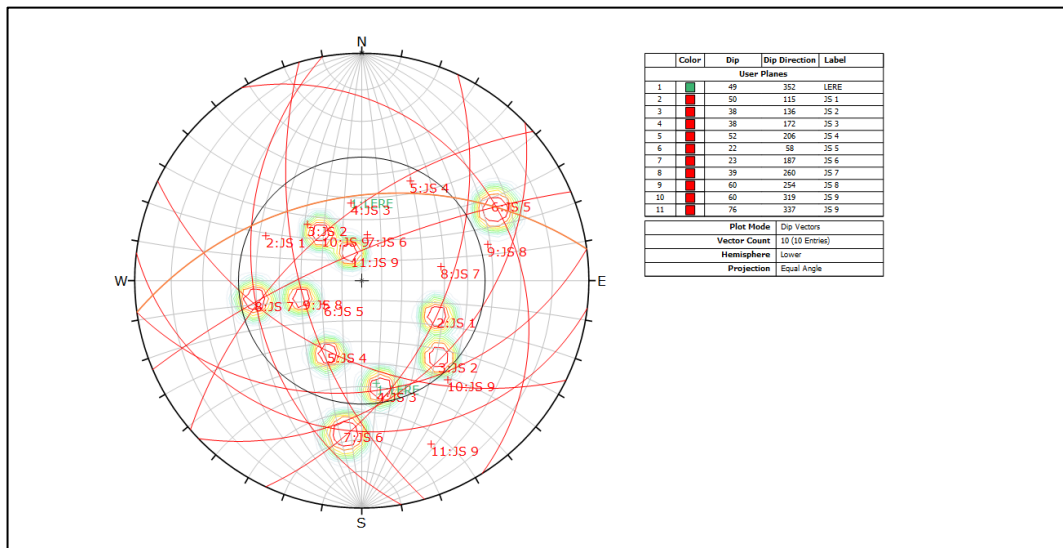
Gambar D. 2. Hasil Kinematik Segmen Campsite Selatan 840 B-C

3. Segmen Campsite Selatan 840 C-D



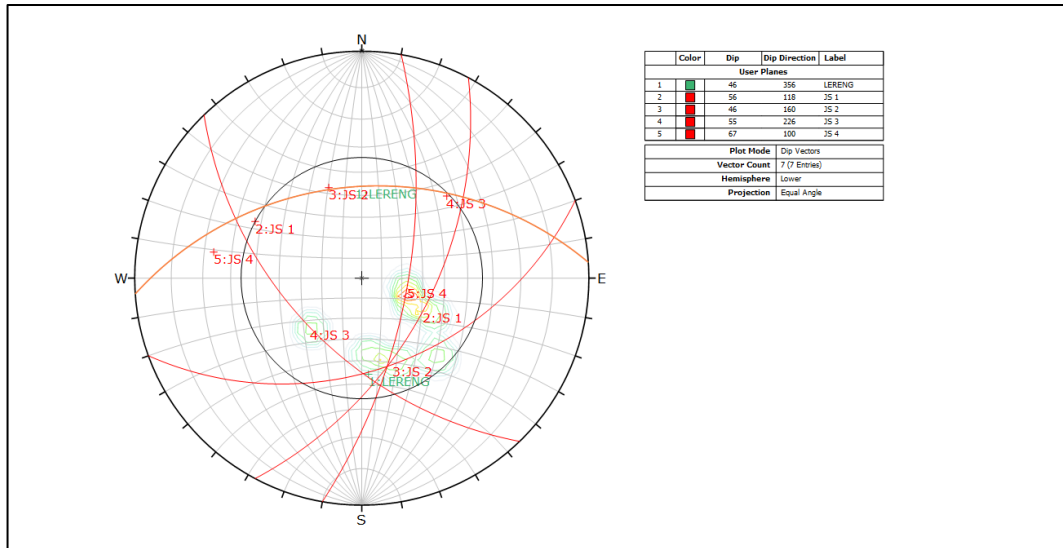
Gambar D. 3. Hasil Kinematik Segmen Campsite Selatan 840 C-D

4. Segmen Campsite Selatan 840 D-E



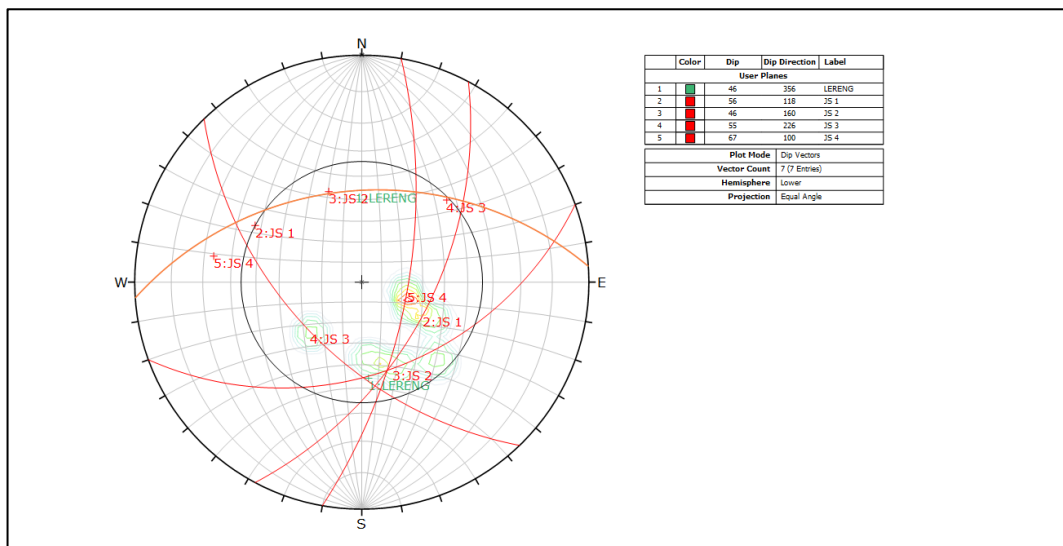
Gambar D. 4. Hasil Kinematik Segmen Campsite Selatan 840 D-E

5. Segmen Campsite Selatan 840 E-F



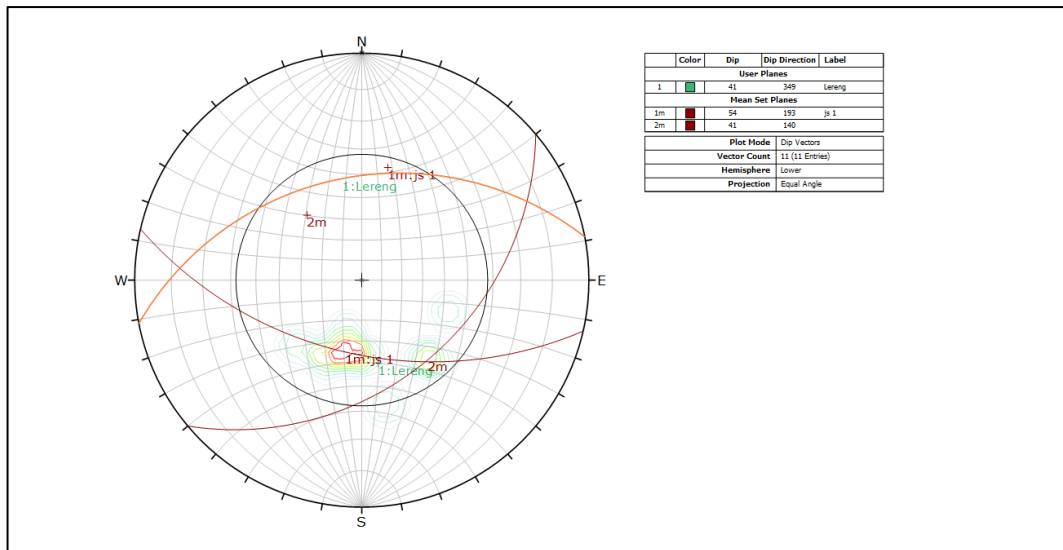
Gambar D. 5. Hasil Kinematik Segmen Campsite Selatan 840 E-F

6. Segmen Campsite Selatan 840 F-G



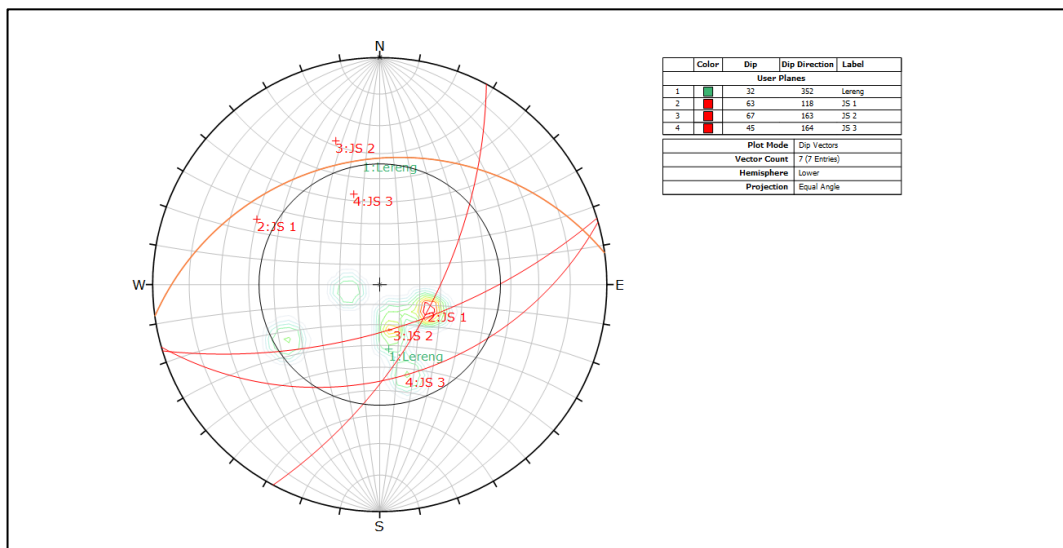
Gambar D. 6. Hasil Kinematik Segmen Campsite Selatan 840 F-G

7. Segmen Campsite Selatan 840 G-H



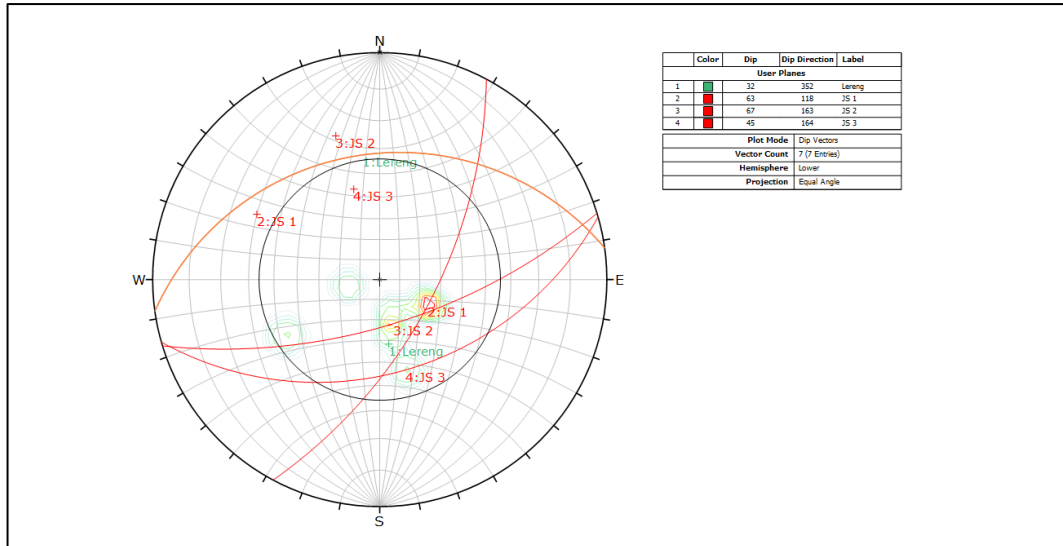
Gambar D. 7. Hasil Kinematik Segmen Campsite Selatan 840 G-H

8. Segmen Campsite Selatan 825 A-B



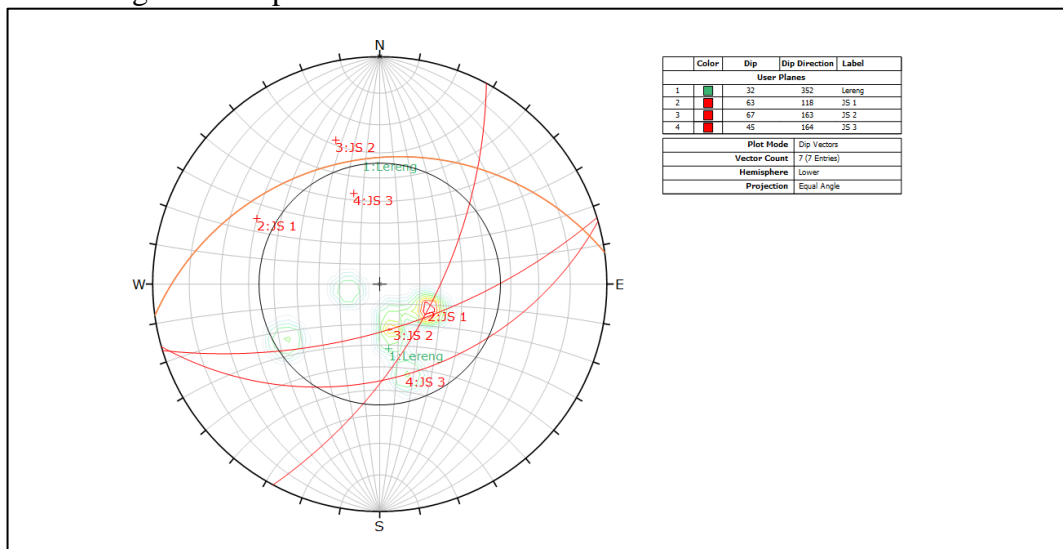
Gambar D. 8. Hasil Kinematik Segmen Campsite Selatan 825 A-B

9. Segmen Campsite Selatan 825 B-C



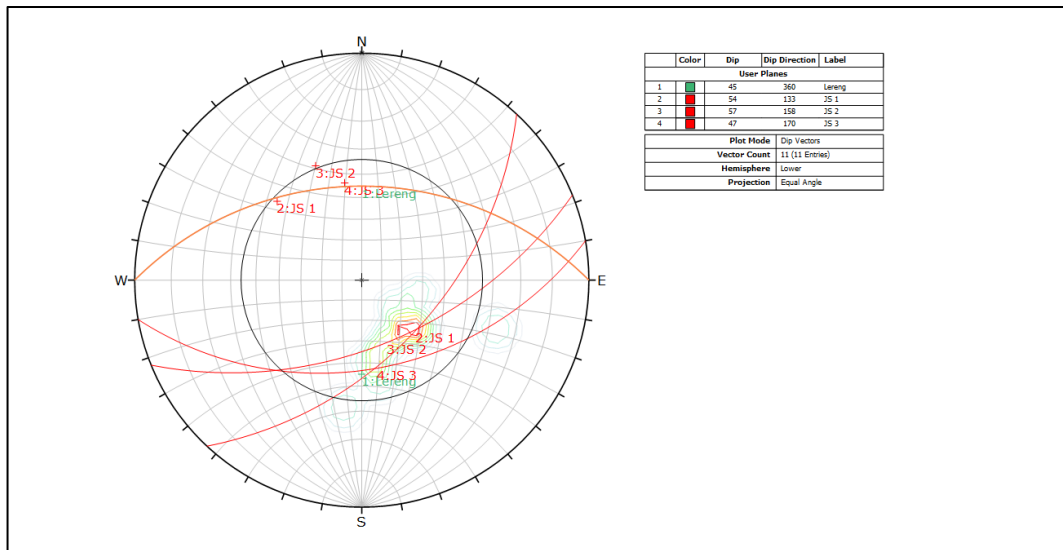
Gambar D. 9. Hasil Kinematik Segmen Campsite Selatan 825 B-C

10. Segmen Campsite Selatan 825 C-D



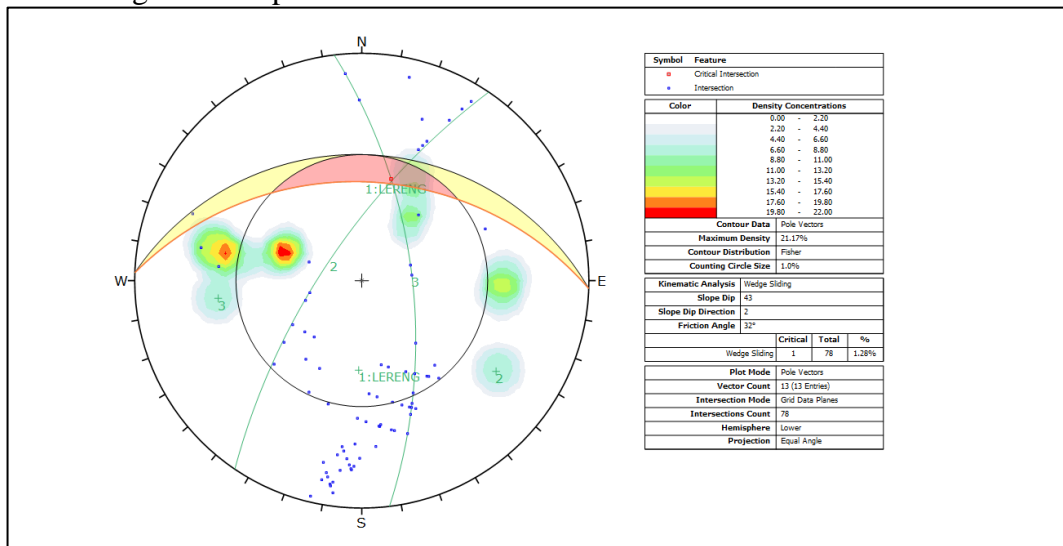
Gambar D. 10. Hasil Kinematik Segmen Campsite Selatan 825 C-D

11. Segmen Campsite Selatan 825 D-E



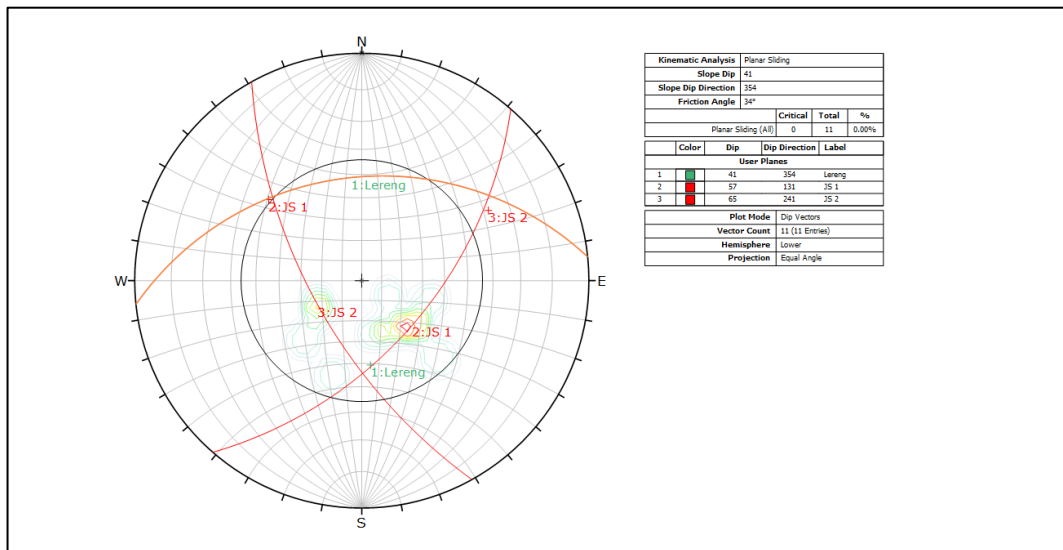
Gambar D. 11. Hasil Kinematik Segmen Campsite Selatan 825 D-E

12. Segmen Campsite Selatan 825 E-F



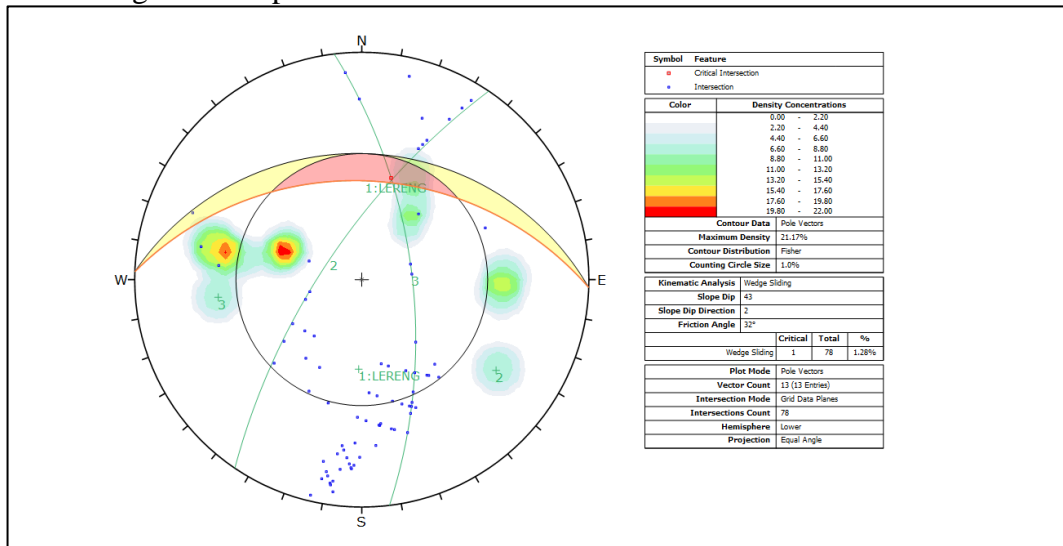
Gambar D. 12. Hasil Kinematik Segmen Campsite Selatan 825 E-F

13. Segmen Campsite Selatan 825 F-G



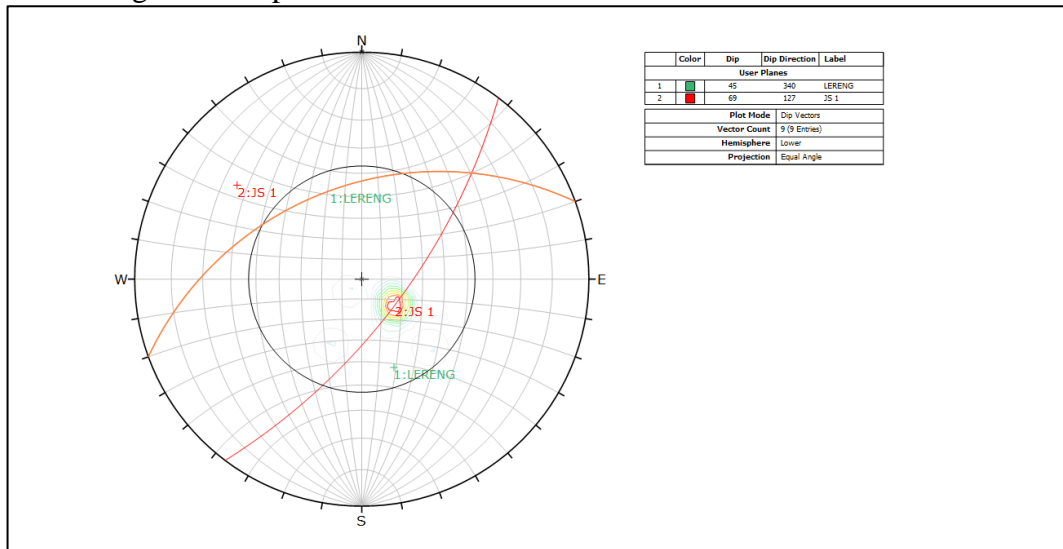
Gambar D. 13. Hasil Kinematik Segmen Campsite Selatan 825 F-G

14. Segmen Campsite Selatan 825 G-H



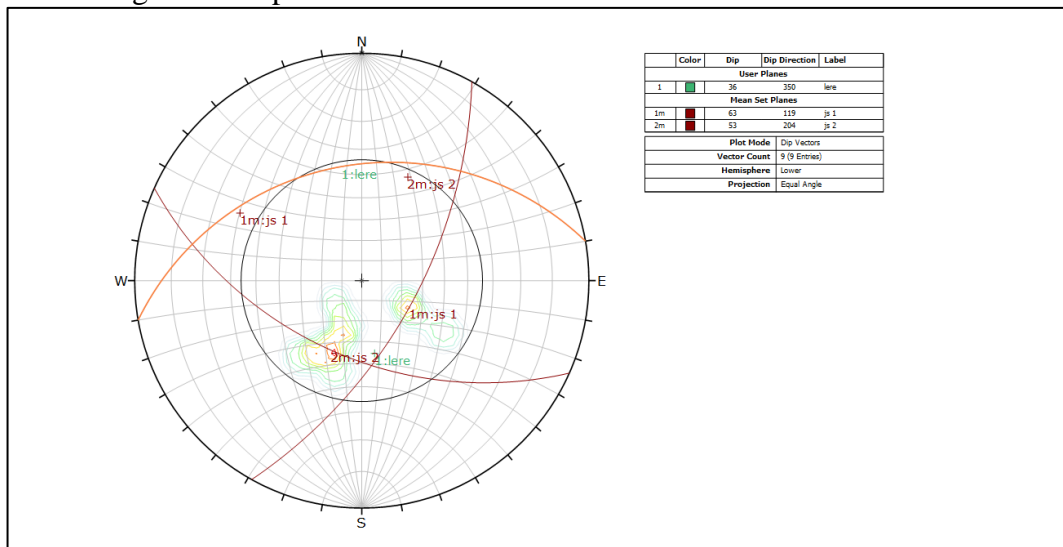
Gambar D. 14. Hasil Kinematik Segmen Campsite Selatan 825 G-H

15. Segmen Campsite Selatan 825 H-I



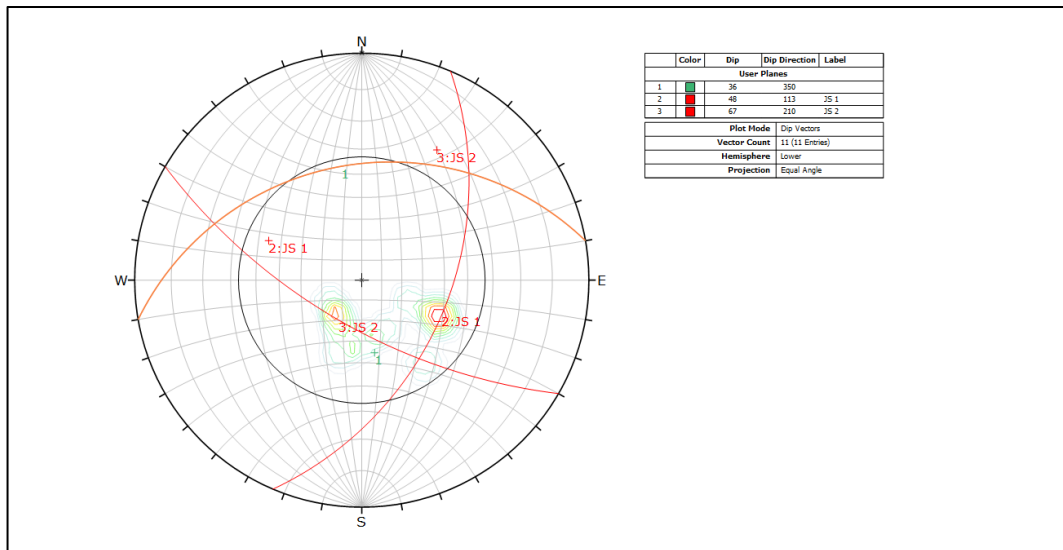
Gambar D. 15. Hasil Kinematik Segmen Campsite Selatan 825 H-I

16. Segmen Campsite Selatan 825 I-J



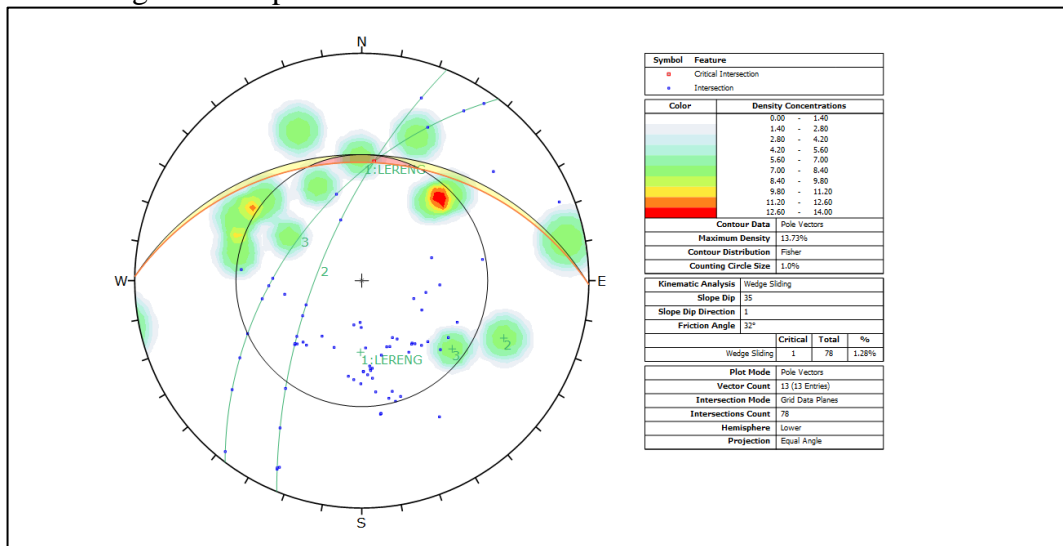
Gambar D. 16. Hasil Kinematik Segmen Campsite Selatan 825 I-J

17. Segmen Campsite Selatan 825 J-K



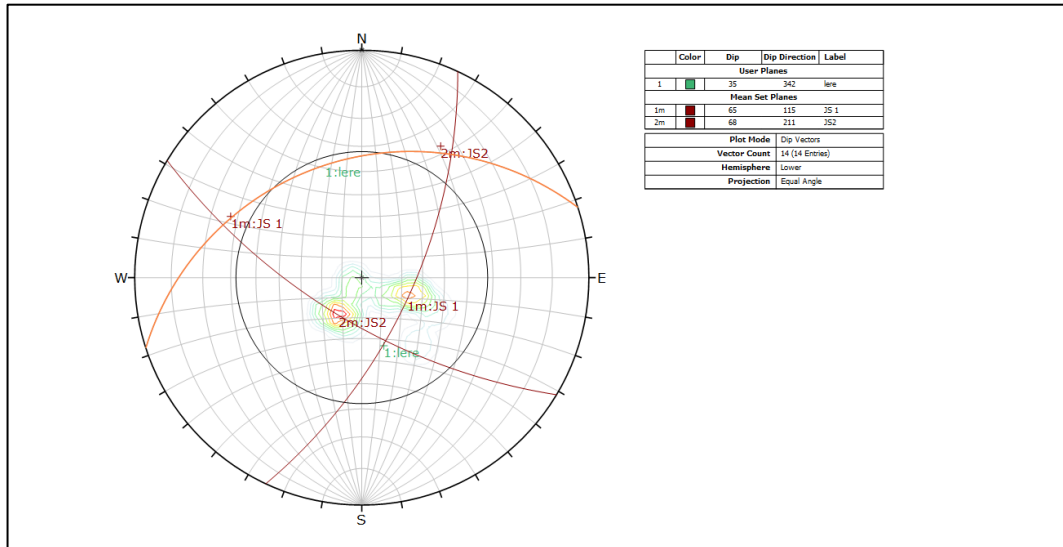
Gambar D. 17. Hasil Kinematik Segmen Campsite Selatan 825 J-K

18. Segmen Campsite Selatan 825 K-L



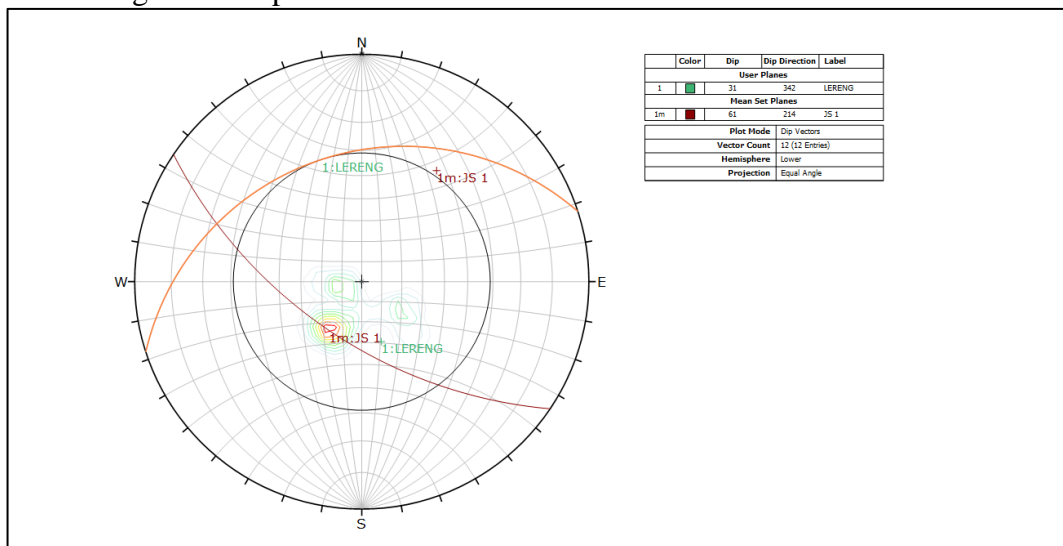
Gambar D. 18. Hasil Kinematik Segmen Campsite Selatan 825 K-L

19. Segmen Campsite Selatan 825 L-M



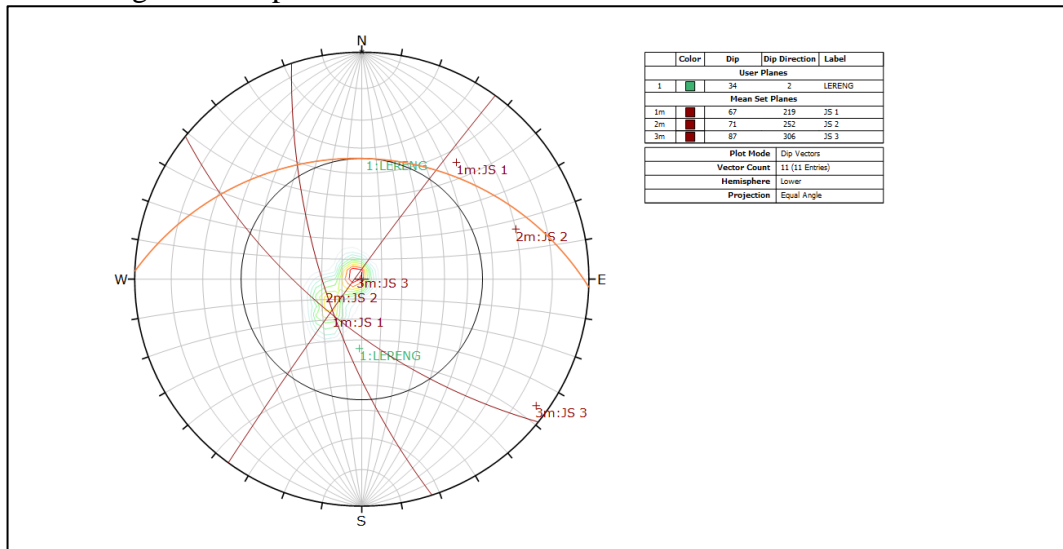
Gambar D. 19. Hasil Kinematik Segmen Campsite Selatan 825 L-M

20. Segmen Campsite Selatan 825 M-N



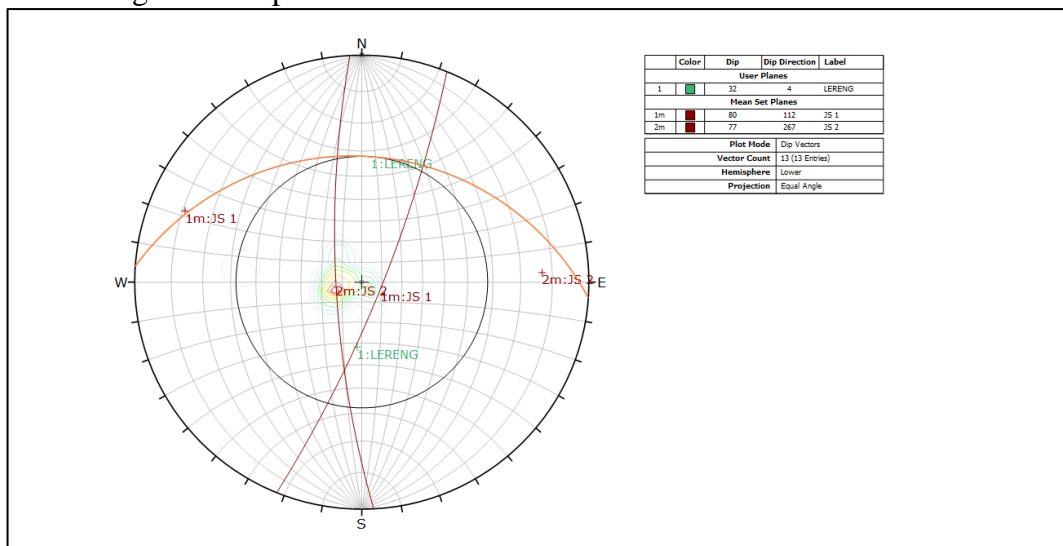
Gambar D. 20. Hasil Kinematik Segmen Campsite Selatan 825 M-N

21. Segmen Campsite Selatan 800 A-B



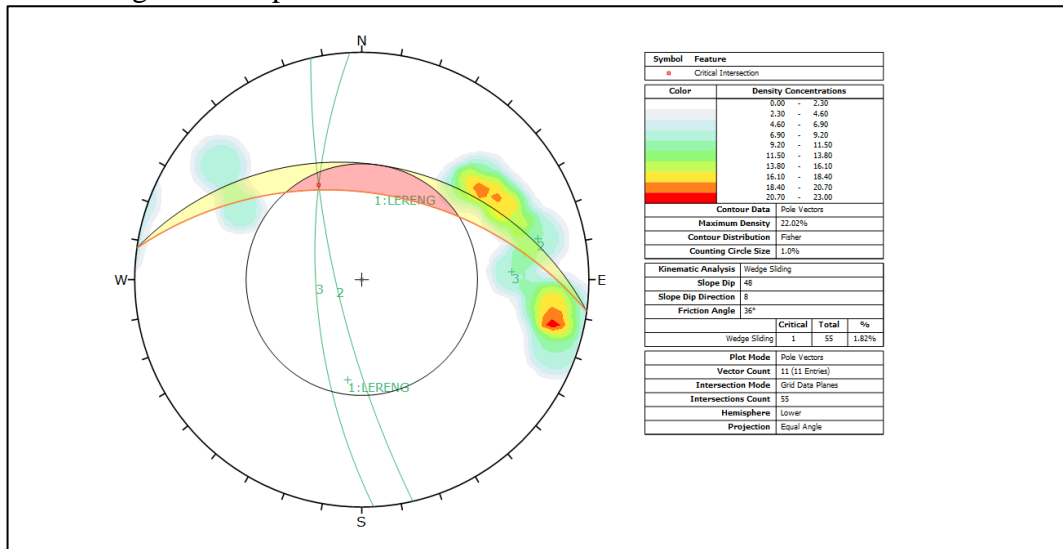
Gambar D. 21. Hasil Kinematik Segmen Campsite Selatan 800 A-B

22. Segmen Campsite Selatan 800 B-C



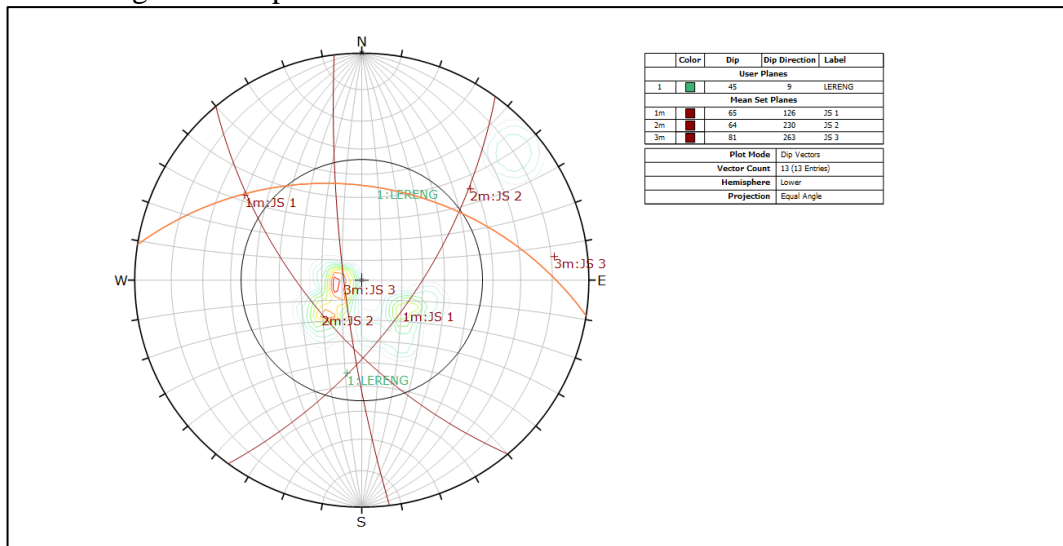
Gambar D. 22. Hasil Kinematik Segmen Campsite Selatan 800 B-C

23. Segmen Campsite Selatan 800 C-D



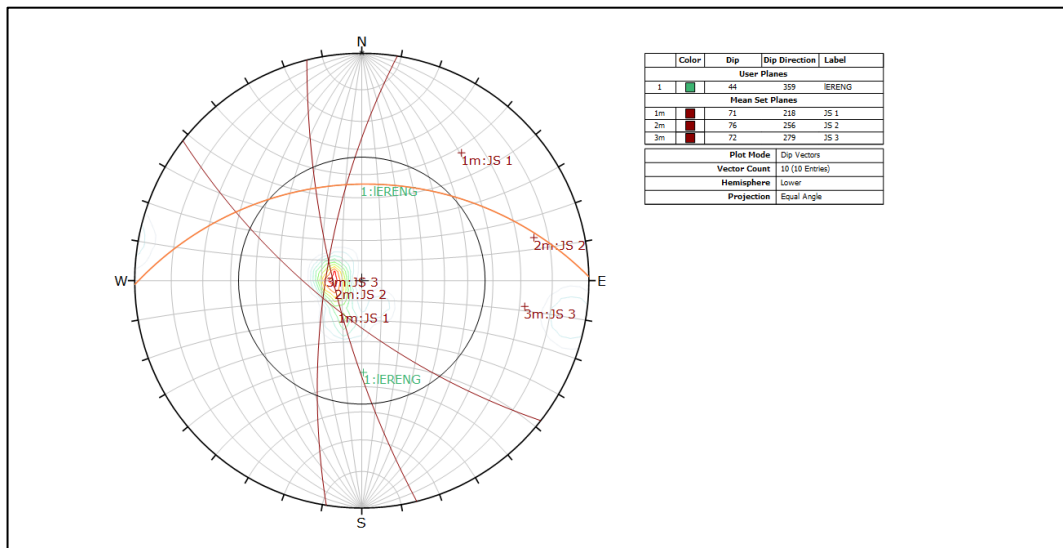
Gambar D. 23. Hasil Kinematik Segmen Campsite Selatan 800 C-D

24. Segmen Campsite Selatan 800 D-E



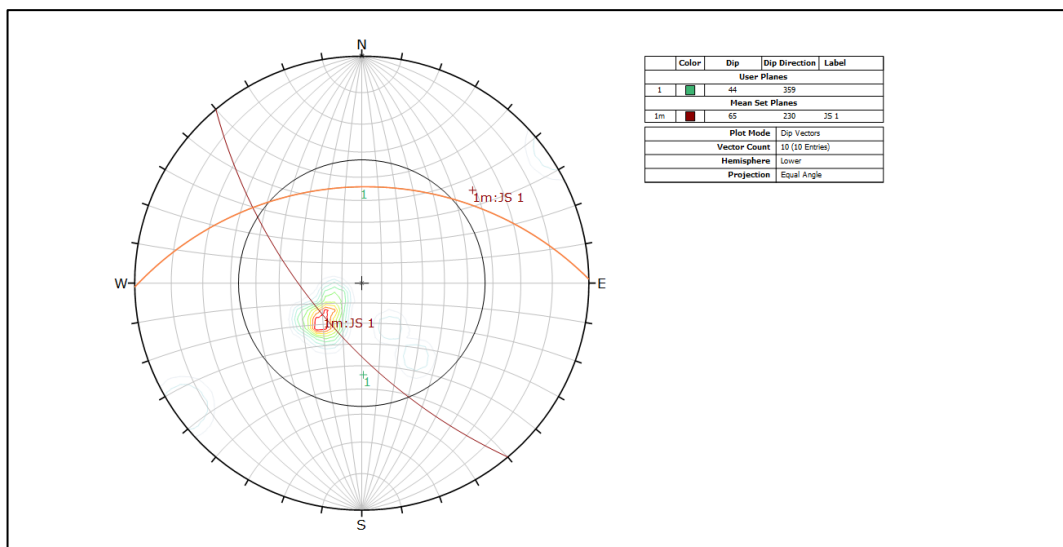
Gambar D. 24. Hasil Kinematik Segmen Campsite Selatan 800 D-E

25. Segmen Campsite Selatan 800 E-F



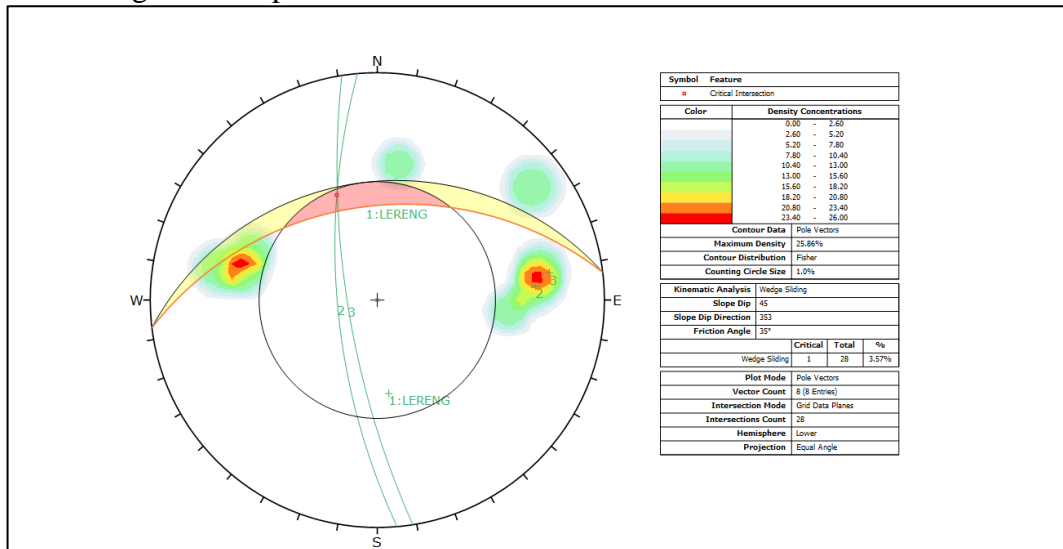
Gambar D. 25. Hasil Kinematik Segmen Campsite Selatan 800 E-F

26. Segmen Campsite Selatan 800 F-G



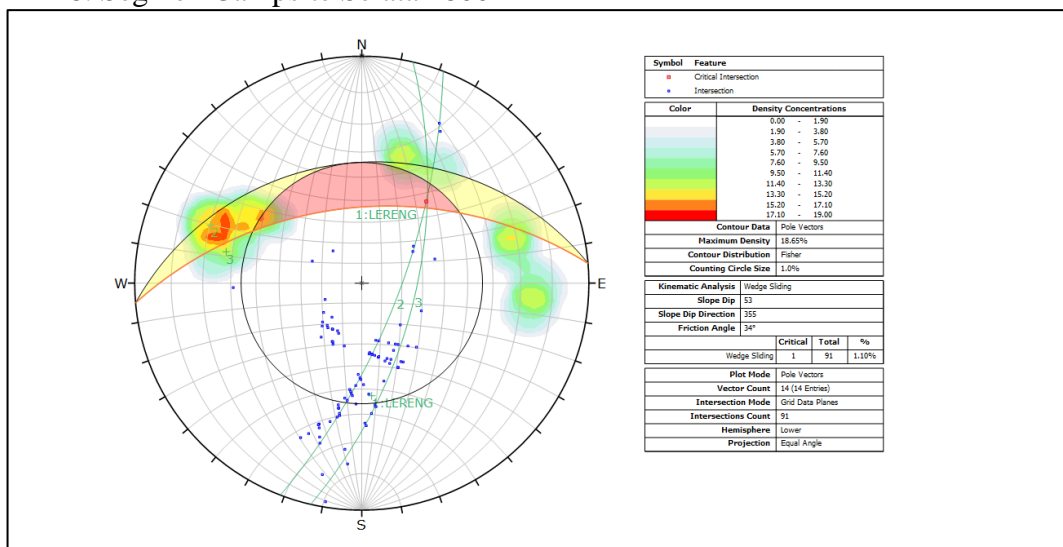
Gambar D. 26. Hasil Kinematik Segmen Campsite Selatan 800 F-G

27. Segmen Campsite Selatan 800 G-H



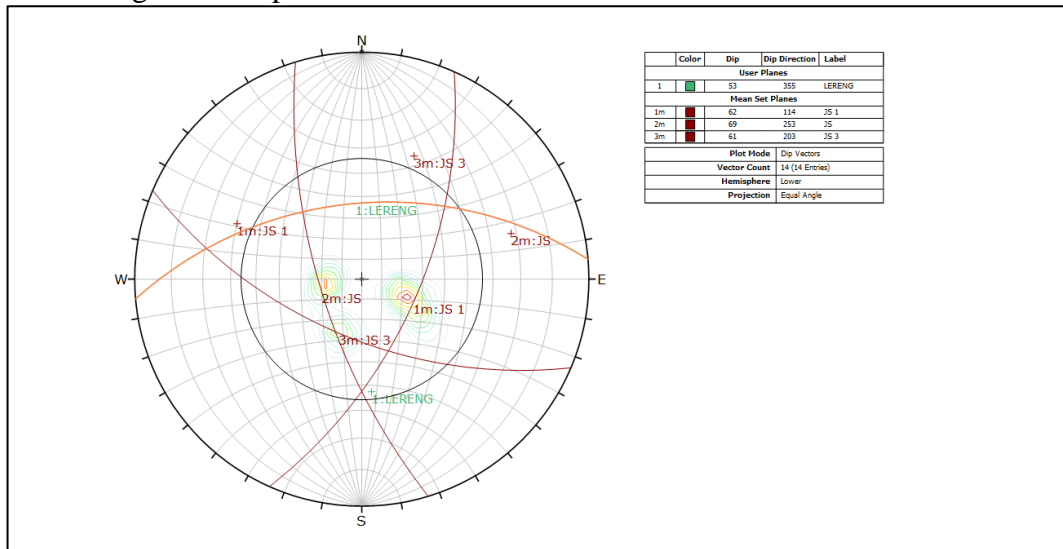
Gambar D. 27. Hasil Kinematik Segmen Campsite Selatan 800 G-H

28. Segmen Campsite Selatan 800 H-I



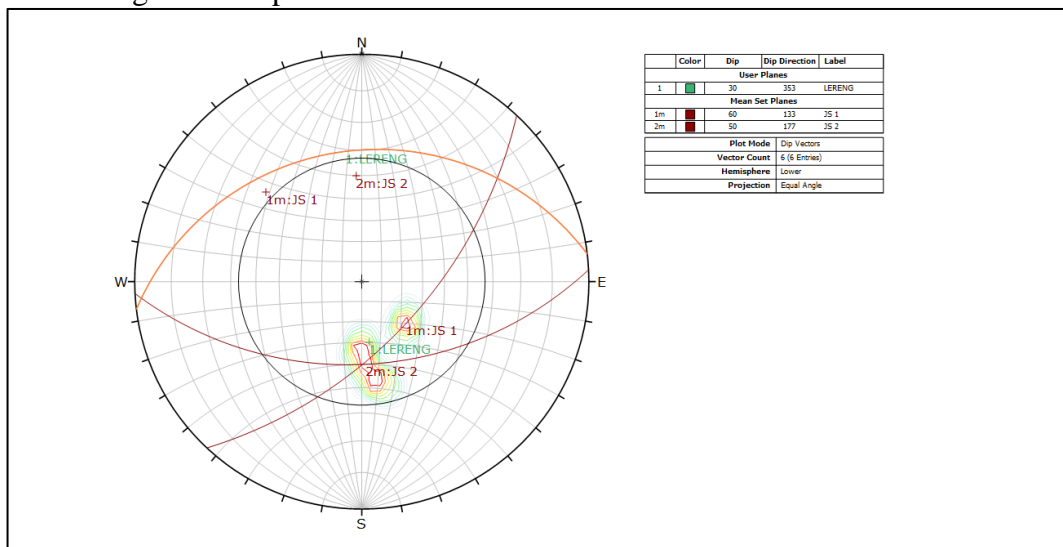
Gambar D. 28. Hasil Kinematik Segmen Campsite Selatan 800 H-I

29. Segmen Campsite Selatan 800 I-J



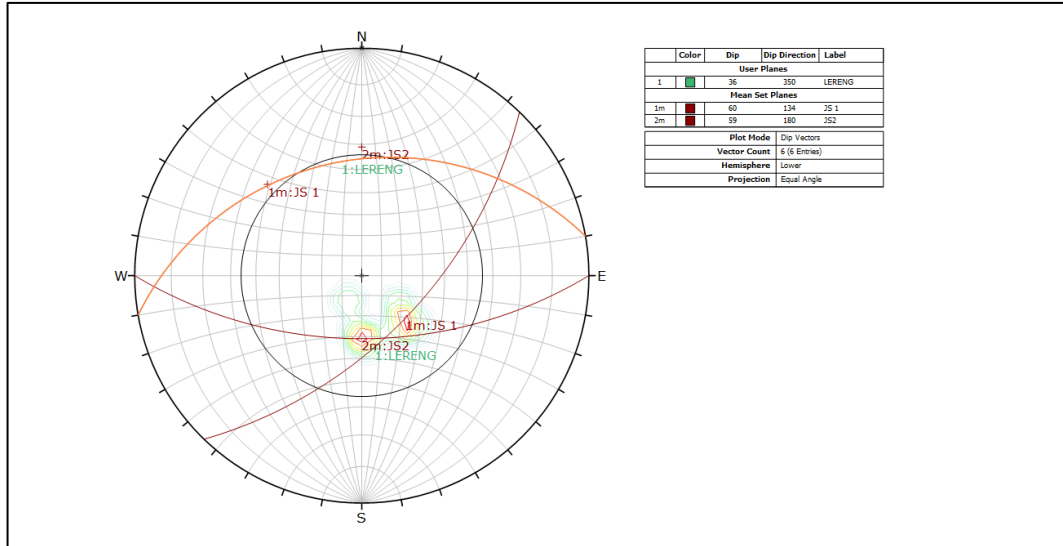
Gambar D. 29. Hasil Kinematik Segmen Campsite Selatan 800 I-J

30. Segmen Campsite Selatan 800 J-K



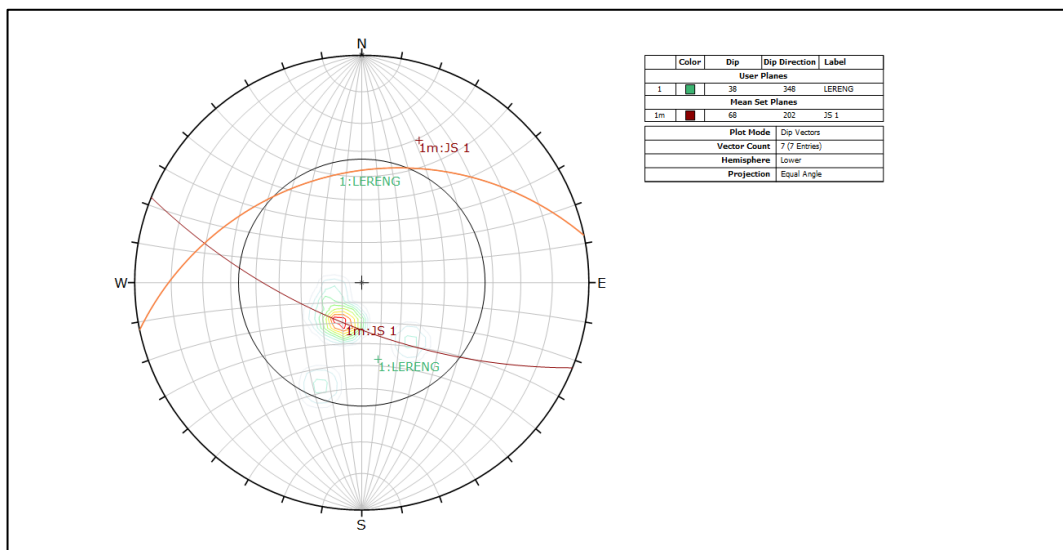
Gambar D. 30. Hasil Kinematik Segmen Campsite Selatan 800 J-K

31. Segmen Campsite Selatan 800 K-L



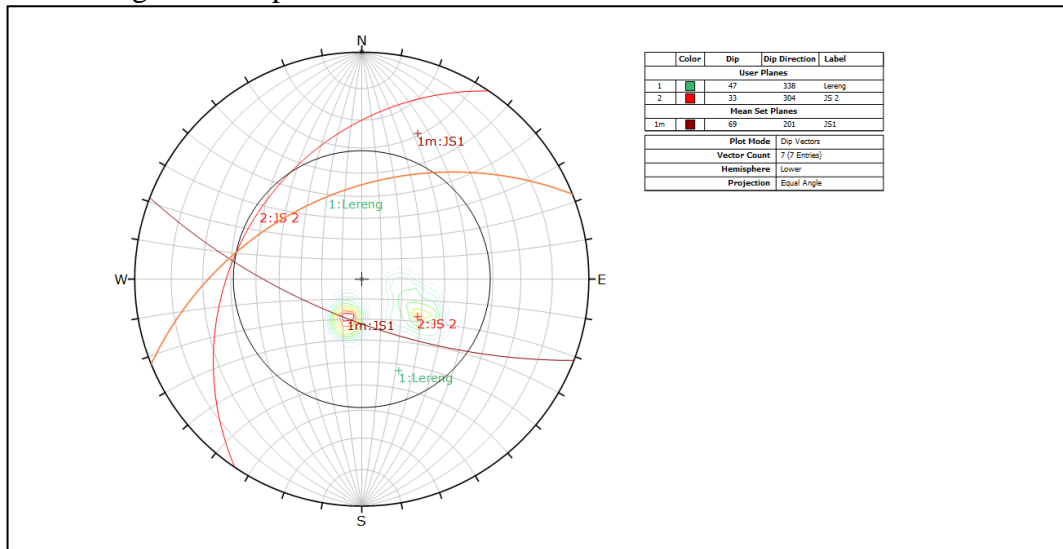
Gambar D. 31. Hasil Kinematik Segmen Campsite Selatan 800 K-L

32. Segmen Campsite Selatan 800 L-M



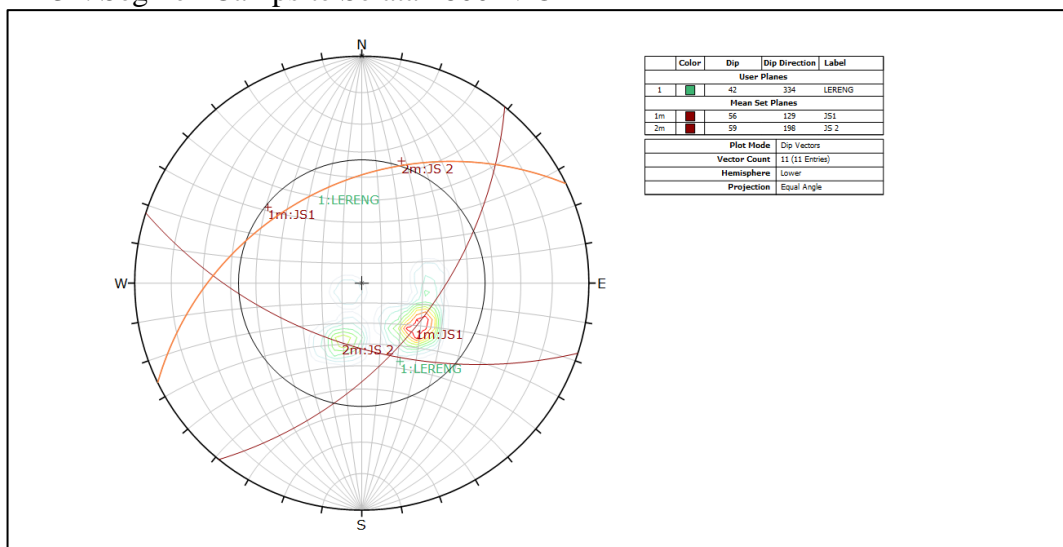
Gambar D. 32. Hasil Kinematik Segmen Campsite Selatan 800 L-M

33. Segmen Campsite Selatan 800 M-N



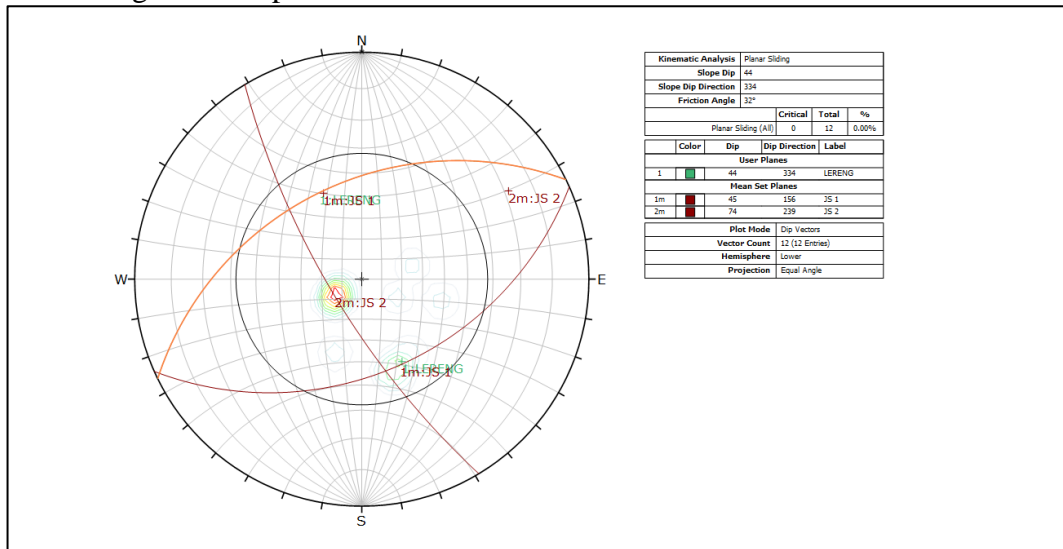
Gambar D. 33. Hasil Kinematik Segmen Campsite Selatan 800 M-N

34. Segmen Campsite Selatan 800 N-O



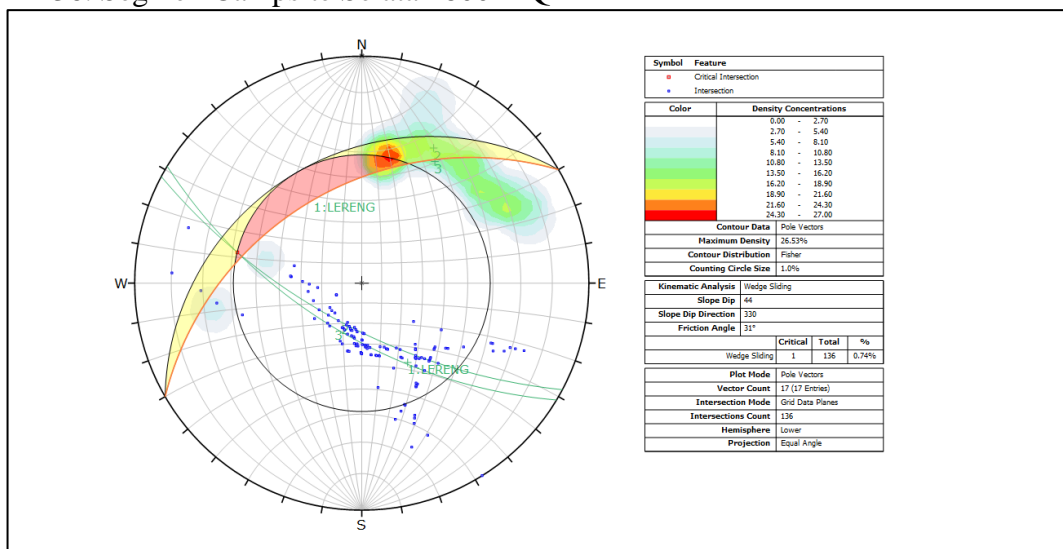
Gambar D. 34. Hasil Kinematik Segmen Campsite Selatan 800 N-O

35. Segmen Campsite Selatan 800 O-P



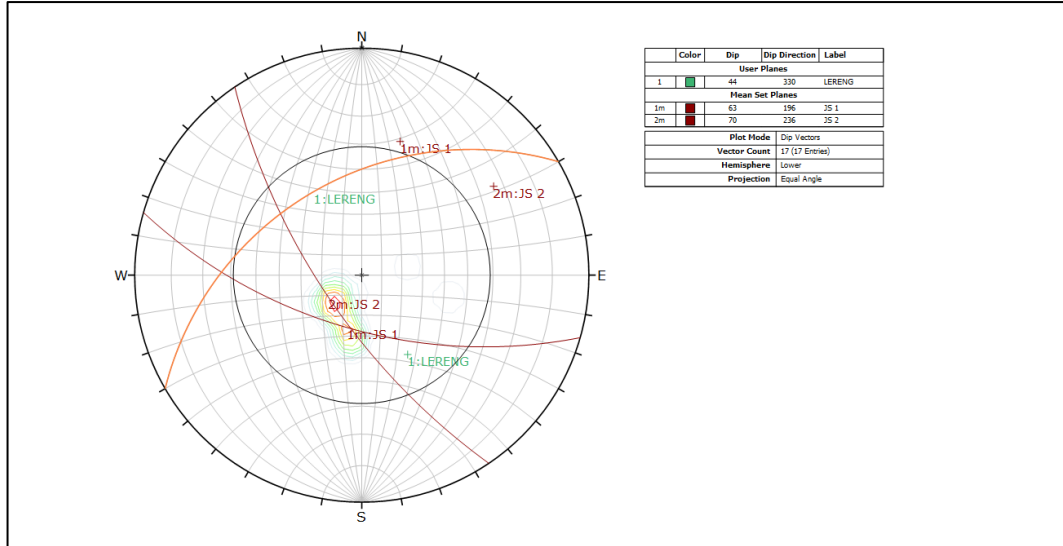
Gambar D. 35. Hasil Kinematik Segmen Campsite Selatan 800 O-P

36. Segmen Campsite Selatan 800 P-Q



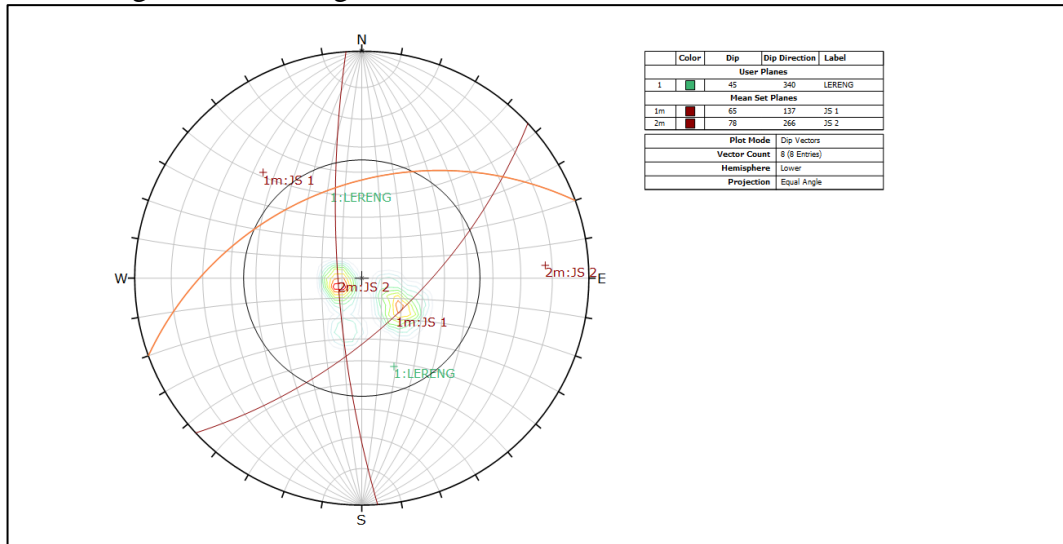
Gambar D. 36. Hasil Kinematik Segmen Campsite Selatan 800 P-Q

37. Segmen Main Ridge 780 A-B



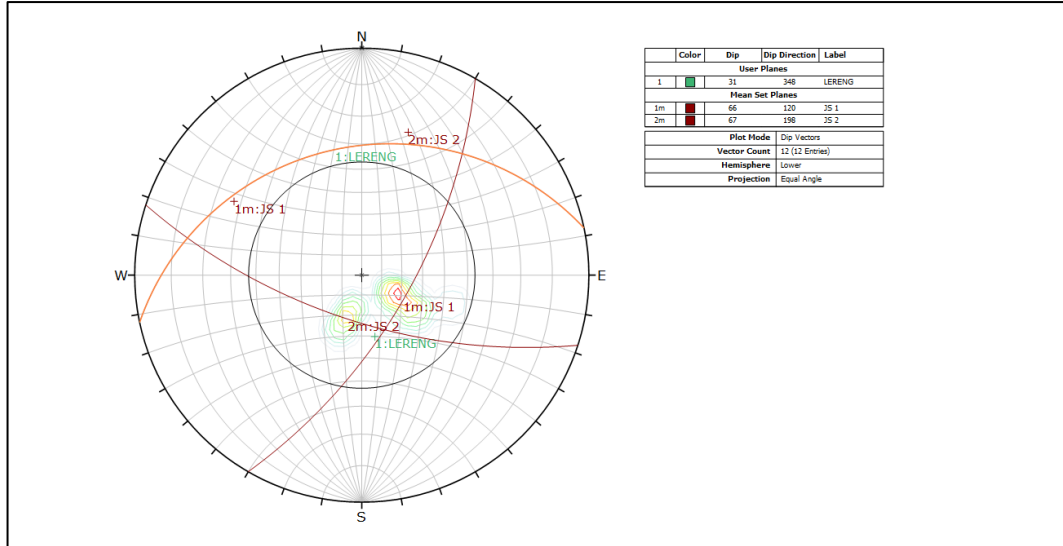
Gambar D. 37. Hasil Kinematik Segmen Main Ridge 780 A-B

38. Segmen Main Ridge 780 B-C



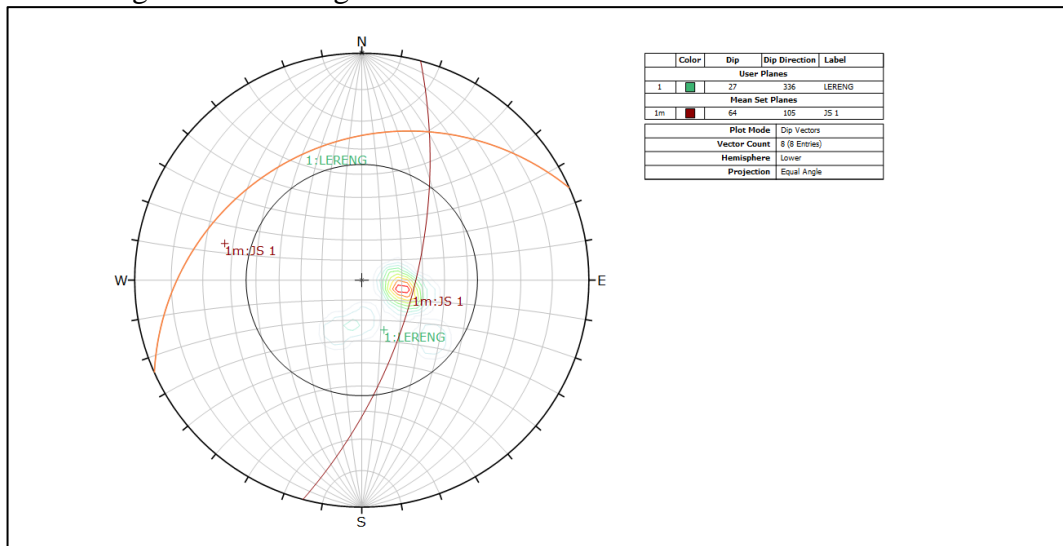
Gambar D. 38. Hasil Kinematik Segmen Main Ridge 780 B-C

39. Segmen Main Ridge 780 C-D



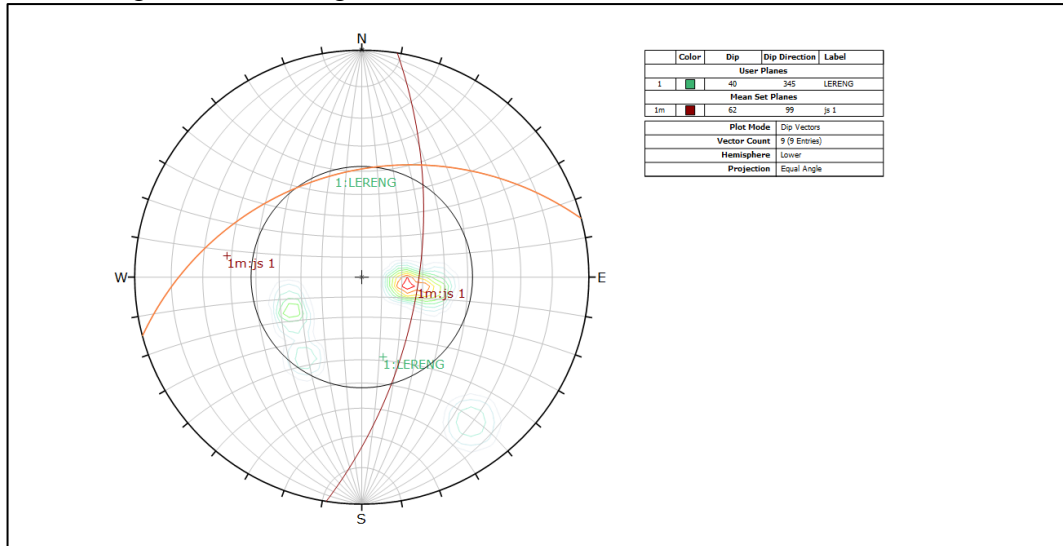
Gambar D. 39. Hasil Kinematik Segmen Main Ridge 780 C-D

40. Segmen Main Ridge 780 D-E



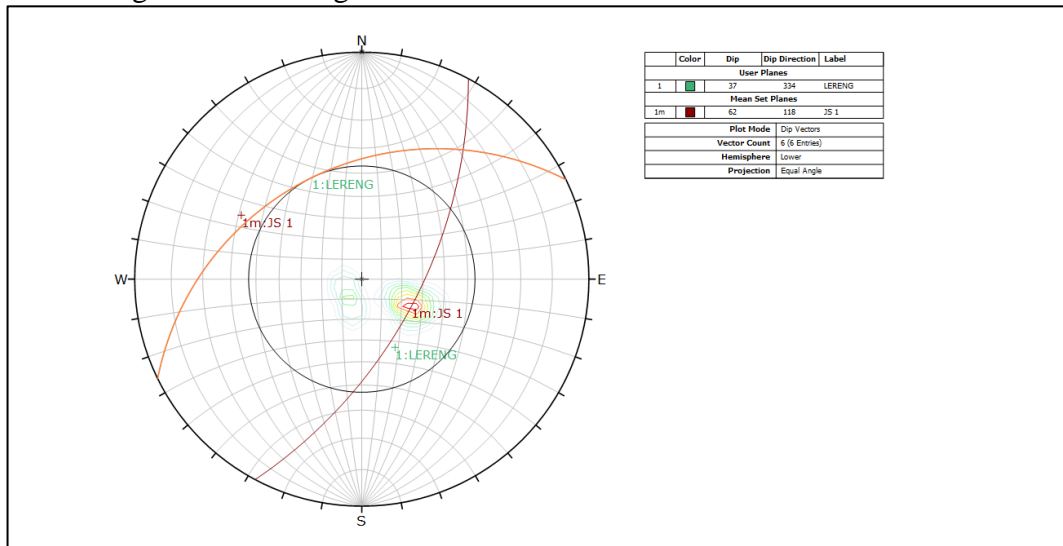
Gambar D. 40. Hasil Kinematik Segmen Main Ridge 780 D-E

41. Segmen Main Ridge 760 A-B



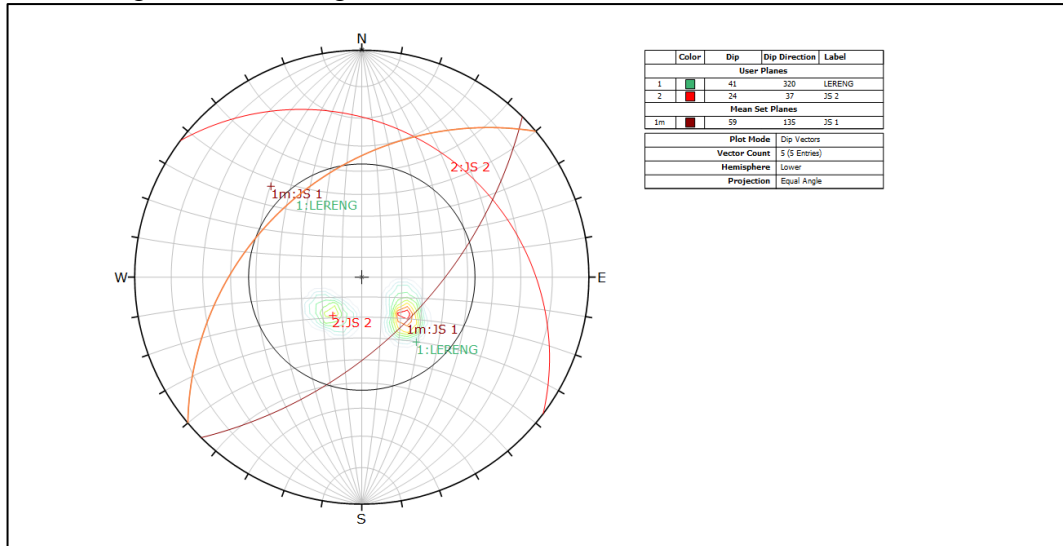
Gambar D. 41. Hasil Kinematik Segmen Main Ridge 760 A-B

42. Segmen Main Ridge 760 B-C



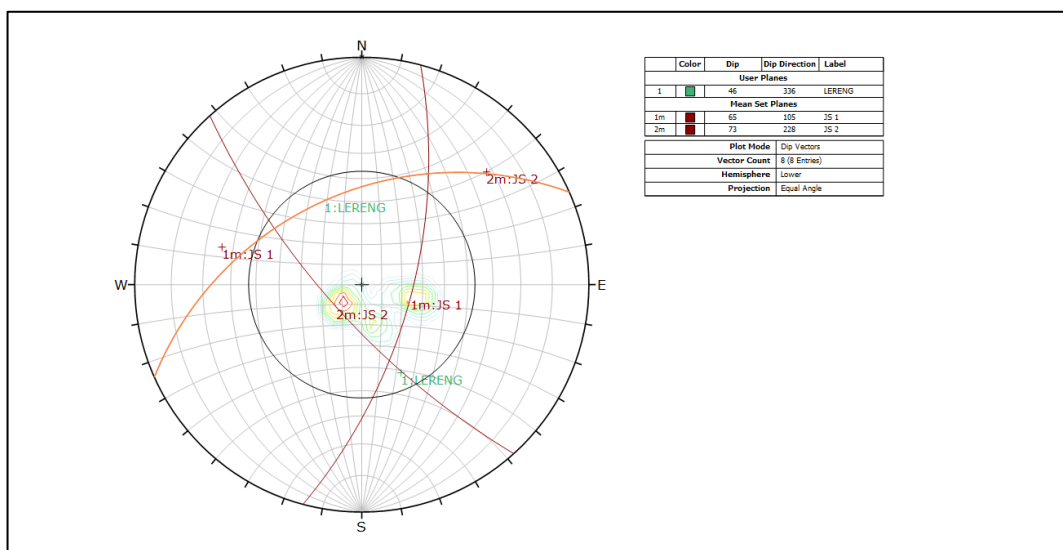
Gambar D. 42. Hasil Kinematik Segmen Main Ridge 760 B-C

43. Segmen Main Ridge 760 C-D



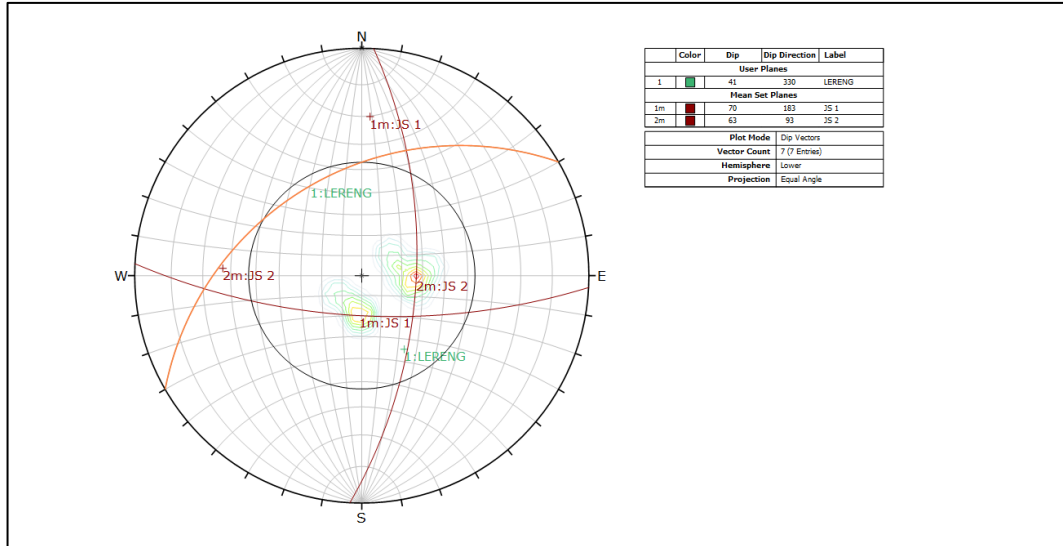
Gambar D. 43. Hasil Kinematik Segmen Main Ridge 760 C-D

44. Segmen Main Ridge 760 D-E



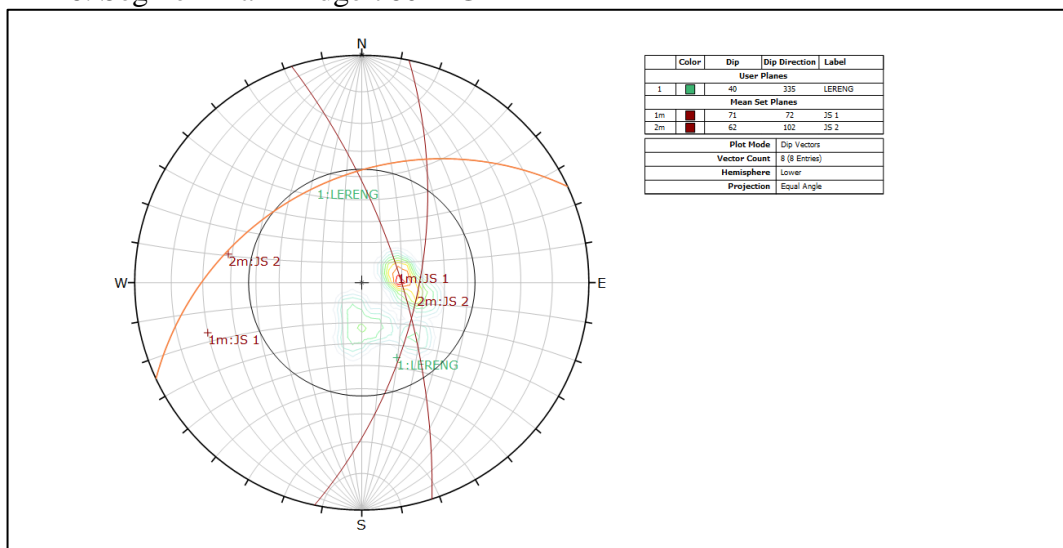
Gambar D. 44. Hasil Kinematik Segmen Main Ridge 760 D-E

45. Segmen Main Ridge 760 E-F



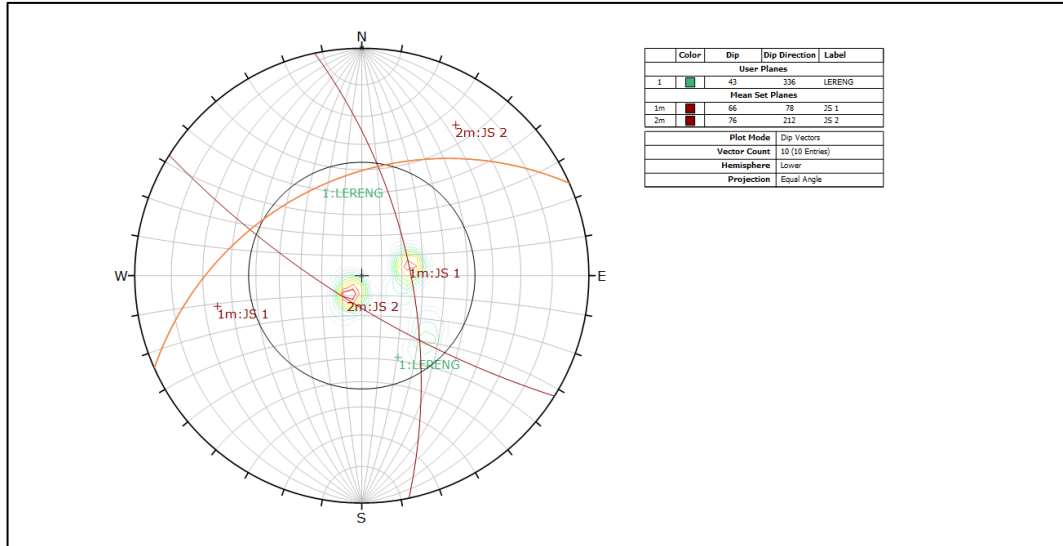
Gambar D. 45. Hasil Kinematik Segmen Main Ridge 760 E-F

46. Segmen Main Ridge 760 F-G



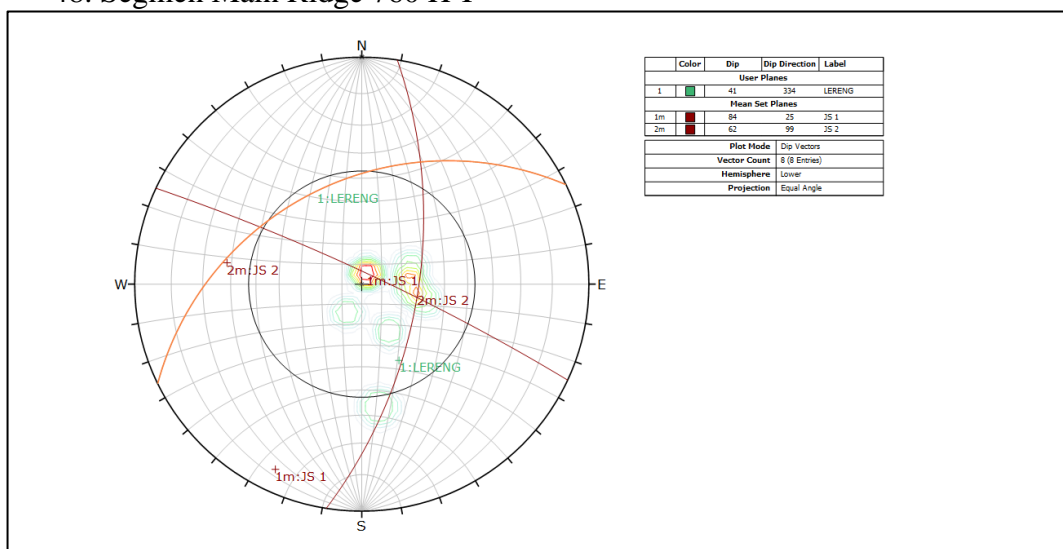
Gambar D. 46. Hasil Kinematik Segmen Main Ridge 760 F-G

47. Segmen Main Ridge 760 G-H



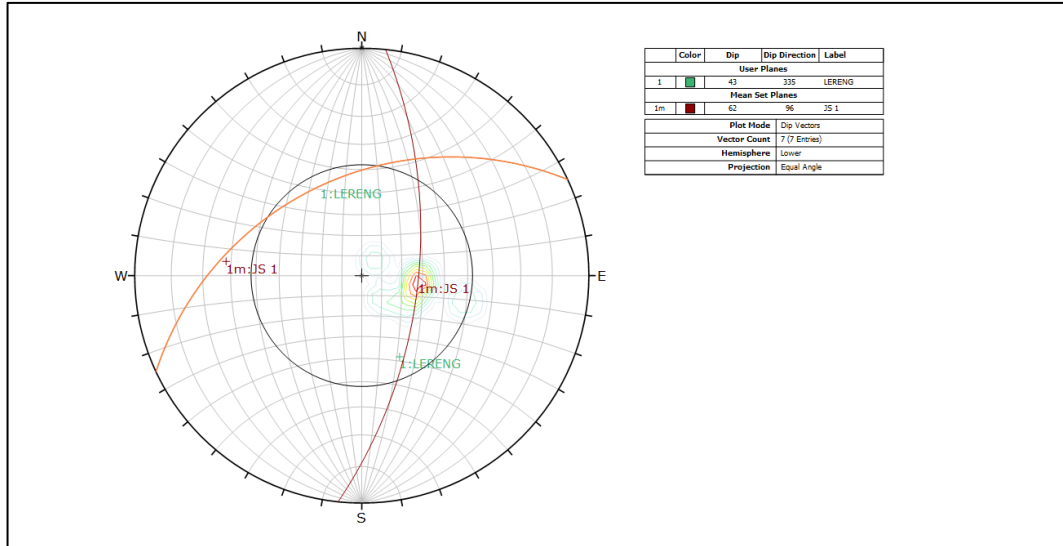
Gambar D. 47. Hasil Kinematik Segmen Main Ridge 760 G-H

48. Segmen Main Ridge 760 H-I



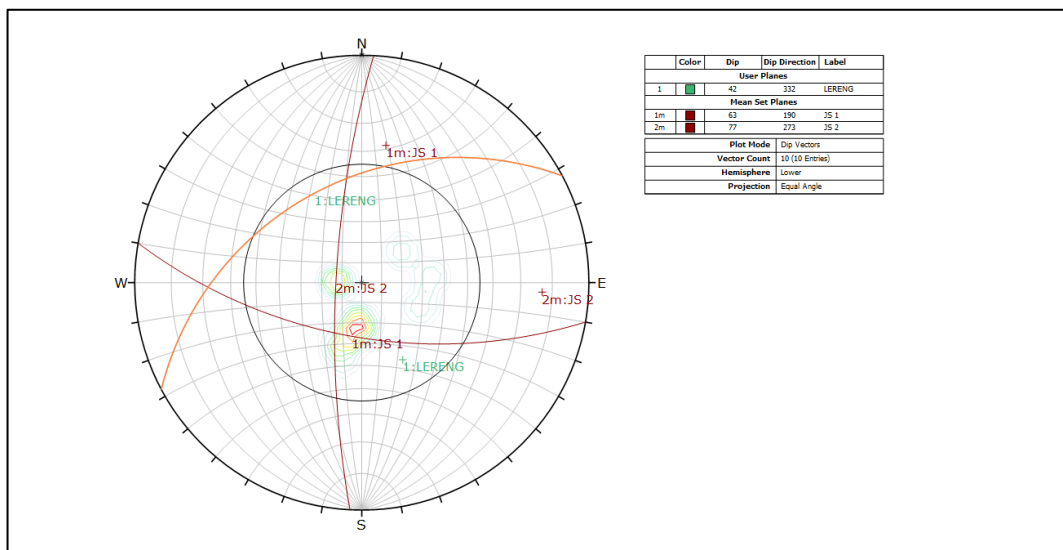
Gambar D. 48. Hasil Kinematik Segmen Main Ridge 760 H-I

49. Segmen Main Ridge 760 I-J



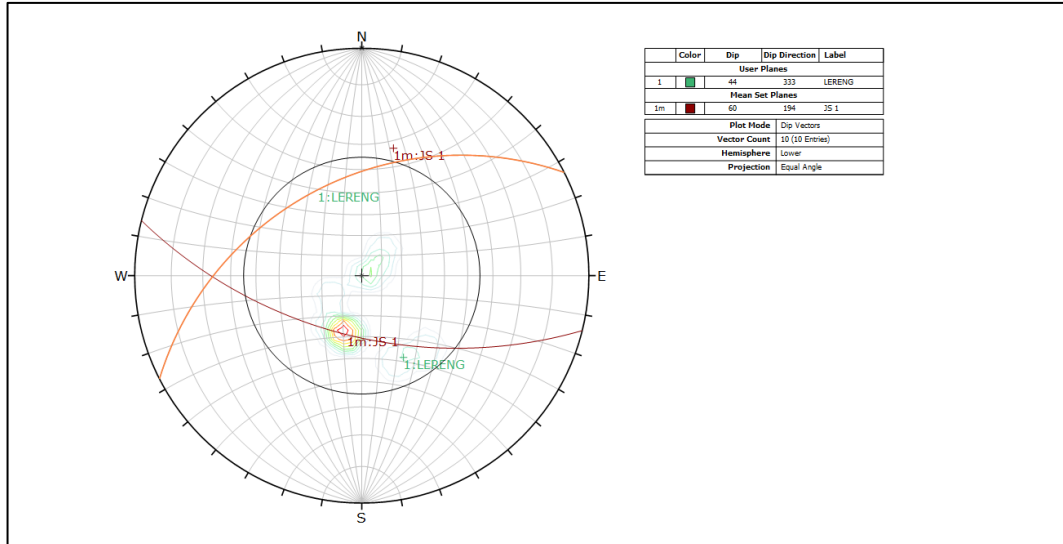
Gambar D. 49. Hasil Kinematik Segmen Main Ridge 760 I-J

50. Segmen Main Ridge 760 J-K



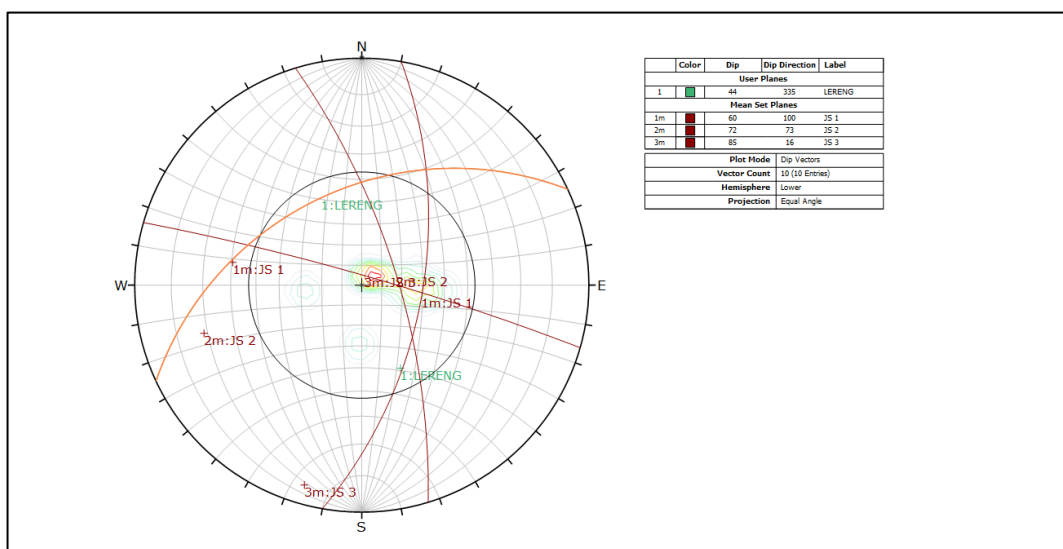
Gambar D. 50. Hasil Kinematik Segmen Main Ridge 760 J-K

51. Segmen Main Ridge 760 K-L



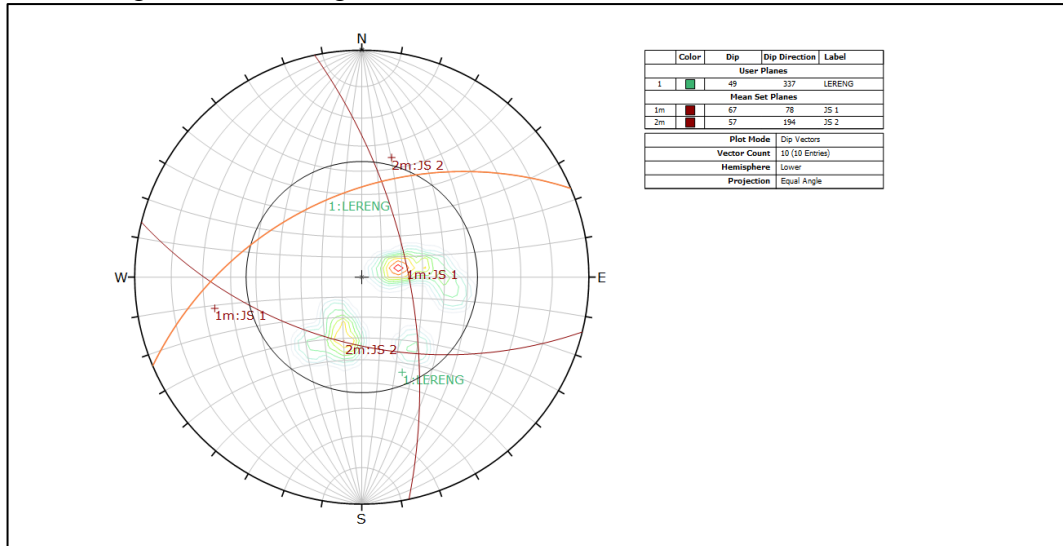
Gambar D. 51. Hasil Kinematik Segmen Main Ridge 760 K-L

52. Segmen Main Ridge 760 L-M



Gambar D. 52. Hasil Kinematik Segmen Main Ridge 760 L-M

53. Segmen Main Ridge 760 M-N






Gambar D. 53. Hasil Kinematik Segmen Main Ridge 760 M-N

**PETA
POTENSI DAN JENIS LONGSORAN
MAINRIDGE & CAMPSITE**



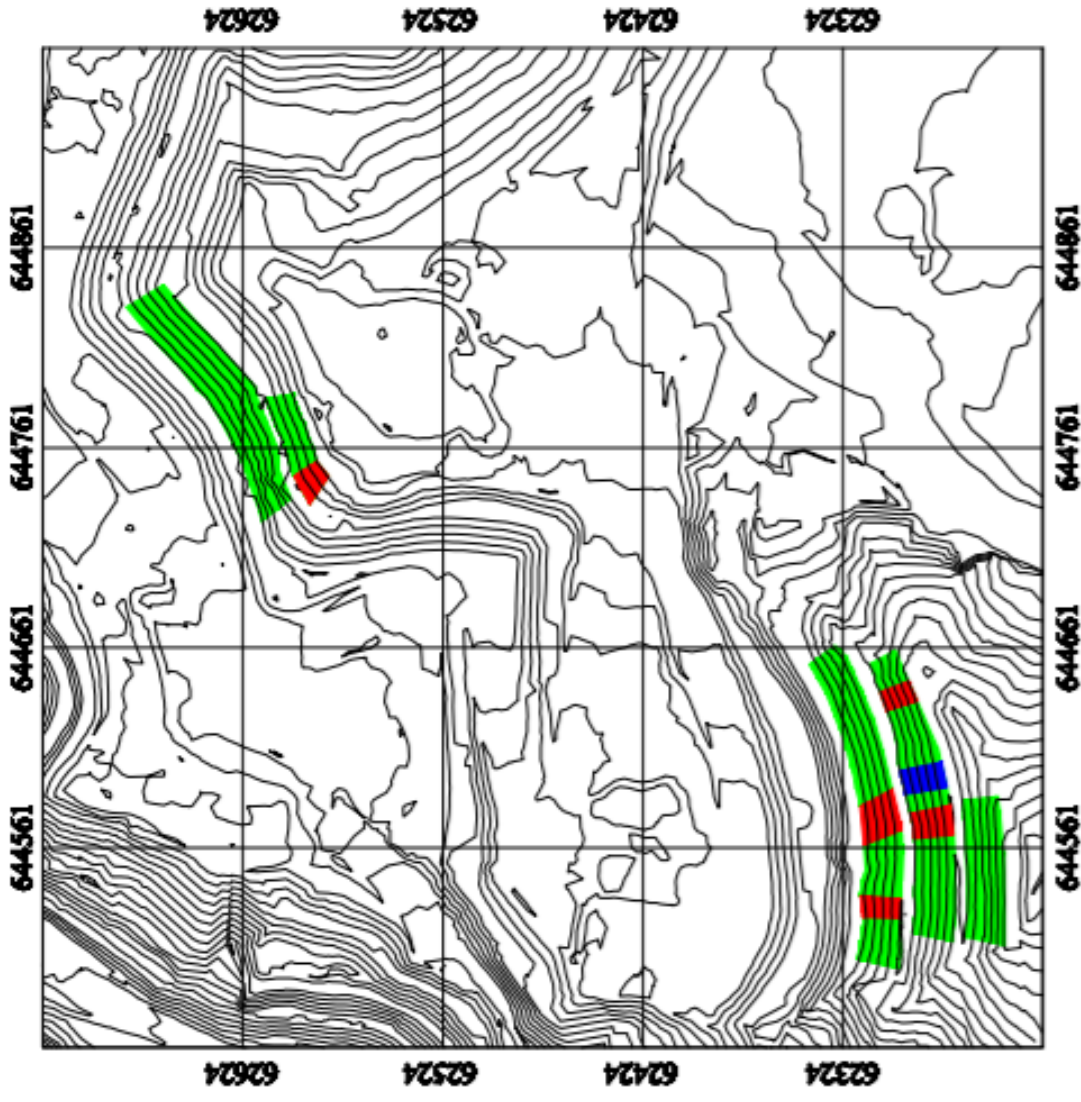
LEGENDA :

-  TIDAK BERPOTENSI
-  BAJI
-  GULING

**OLEH :
ALIFKAH NAMIRA ANGELIA**

**PEMBIMBING :
RAYMOND Y. RUMAPAR**

**PT. J RESOURCES
BOLAANG MONGONDOW
SITE BAKAN
2021**



SURAT KETERANGAN
CERTIFICATE

Yang bertanda tangan di bawah ini menerangkan bahwa :

N a m a : Alifkah Namira Angelia
Tempat dan Tanggal Lahir : Ujung Pandang, 17 Juli 1999
Program Studi : Teknik Pertambangan
Asal Sekolah : Institut Teknologi Nasional Yogyakarta

Telah mengikuti PRAKTIK KERJA LAPANGAN (PKL) atau Program Magang (KP/TA) yang diselenggarakan pada tanggal, 05 Maret 2021 sampai dengan 24 April 2021 di Departemen Mining di :

PT. J RESOURCES BOLAANG MONGONDOW

Dengan Nilai Kualifikasi : Cukup / Baik / Amat baik

Nilai yang telah dicapai oleh peserta tersebut di atas tertera pada daftar nilai di balik Sertifikat ini.

PT. J RESOURCES BOLAANG MONGONDOW
Bakan Site, 25th April 2021



J RESOURCES
PT. J Resources Bolaang Mongondow
Romy Hidayat
HRGAI Manager

