

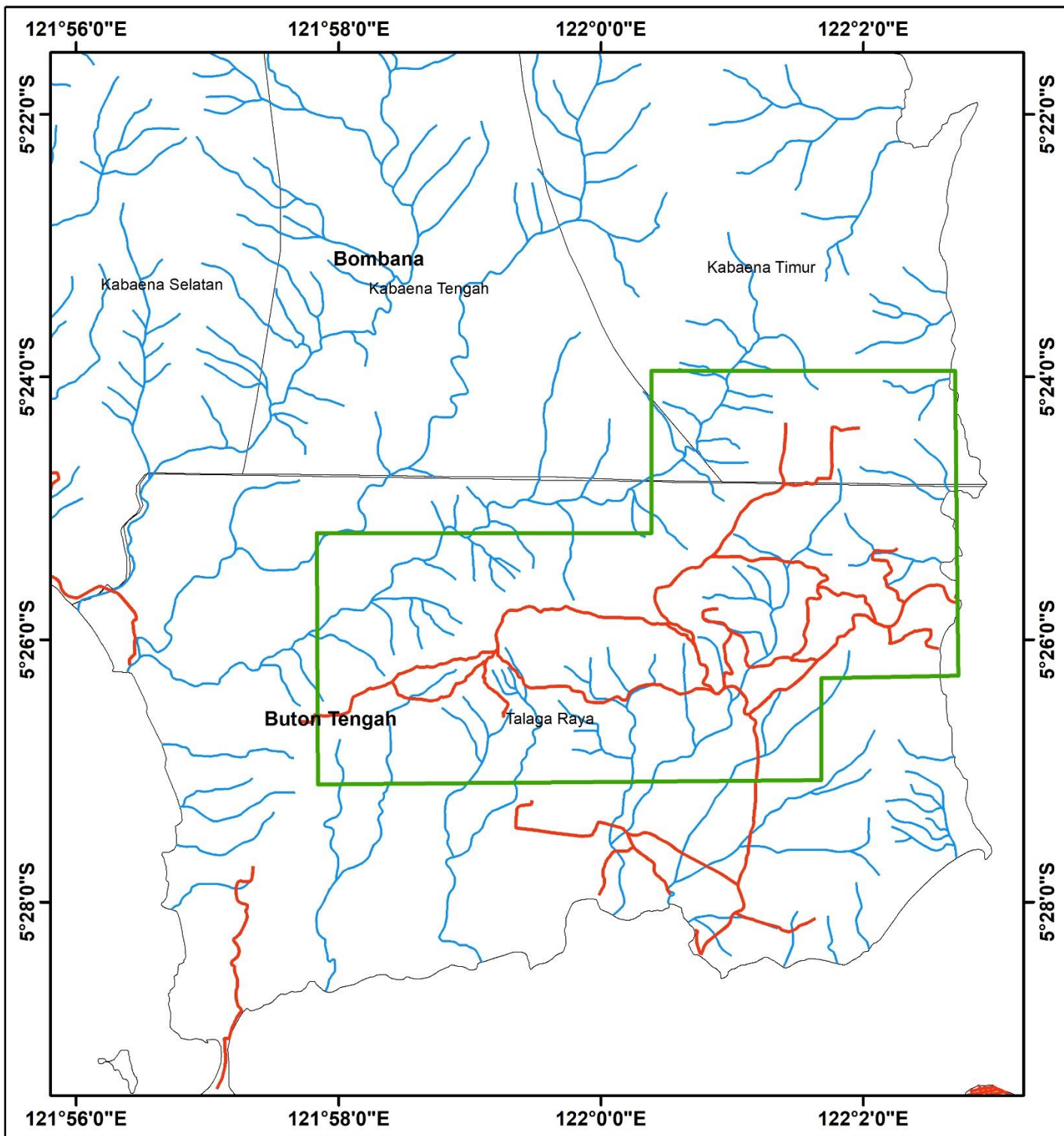
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LAMPIRAN

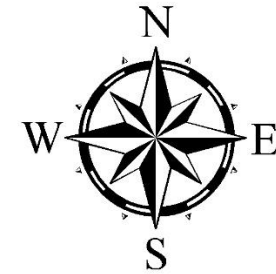
LAMPIRAN A
PETA IUP PT ARGA MORINI INDAH



PETA LOKASI PENELITIAN

PT ARGA MORINI INDAH

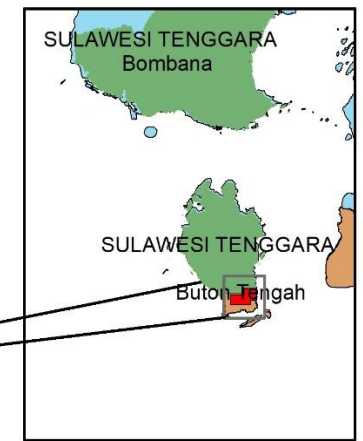
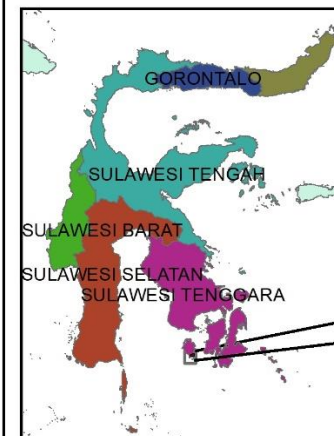
Desa Wulu, Kecamatan Talaga Raya,
Kabupaten Buton Tengah, Provinsi Sulawesi Tenggara



Skala 1:80,000

Legenda

-  IUP PT AMI
-  JALAN_LN_50K
-  SUNGAI_LN_50K



Sumber Peta:

1. Geospasial (Badan Informasi Spasial)
2. IUP PT AMI

Sistem Koordinat:
WGS 1984

LAMPIRAN B
DATA LITOLOGI TANAH

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_34_22 | 0 | 1 | 0.95 | 35.04 | LIMONIT |
| D3W_34_22 | 1 | 1.4 | 0.85 | 23.86 | LIMONIT |
| D3W_34_22 | 1.4 | 2 | 1.18 | 21.64 | LIMONIT |
| D3W_34_22 | 2 | 3 | 1.11 | 10.89 | LIMONIT |
| D3W_34_22 | 3 | 4 | 1.04 | 20.31 | LIMONIT |
| D3W_34_22 | 4 | 4.5 | 1.01 | 18.12 | LIMONIT |
| D3W_34_22 | 4.5 | 5 | 1.06 | 13.46 | LIMONIT |
| D3W_34_22 | 5 | 6 | 0.97 | 13.94 | LIMONIT |
| D3W_34_22 | 6 | 7 | 0.52 | 6.85 | LIMONIT |
| D3W_34_22 | 7 | 7.5 | 0.89 | 12.25 | LIMONIT |
| D3W_34_22 | 7.5 | 8 | 1 | 18.82 | LIMONIT |
| D3W_34_22 | 8 | 9 | 1.01 | 15.1 | LIMONIT |
| D3W_34_22 | 9 | 9.5 | 1.16 | 17.84 | LIMONIT |
| D3W_34_22 | 9.5 | 10 | 0.98 | 10.47 | LIMONIT |
| D3W_34_22 | 10 | 11 | 0.83 | 10 | LIMONIT |
| D3W_38_22 | 0 | 1 | 0.97 | 38.82 | LIMONIT |
| D3W_38_22 | 1 | 1.4 | 1.15 | 35.74 | LIMONIT |
| D3W_38_22 | 1.4 | 2 | 1.99 | 16.7 | SAPROLIT |
| D3W_38_22 | 2 | 3 | 1.51 | 27.73 | SAPROLIT |
| D3W_38_22 | 3 | 4 | 1.7 | 22.95 | SAPROLIT |
| D3W_38_22 | 4 | 5 | 1.69 | 31.64 | SAPROLIT |
| D3W_38_22 | 5 | 6 | 2.02 | 24.82 | SAPROLIT |
| D3W_38_22 | 6 | 7 | 1.97 | 25.82 | SAPROLIT |
| D3W_38_22 | 7 | 8 | 1.41 | 17.87 | SAPROLIT |
| D3W_38_22 | 8 | 9 | 1.76 | 26.42 | SAPROLIT |
| D3W_38_22 | 9 | 10 | 1.77 | 25.61 | SAPROLIT |
| D3W_38_22 | 10 | 11 | 1.73 | 22.2 | SAPROLIT |
| D3W_38_22 | 11 | 12 | 1.63 | 22.41 | SAPROLIT |
| D3W_38_22 | 12 | 13 | 1.59 | 20.87 | SAPROLIT |
| D3W_38_22 | 13 | 14 | 1.29 | 19.49 | SAPROLIT |
| D3W_38_22 | 14 | 14.7 | 1.56 | 15.95 | SAPROLIT |
| D3W_38_22 | 14.7 | 15 | 1.63 | 8.4 | SAPROLIT |
| D3W_38_22 | 15 | 15.7 | 1.6 | 16.49 | SAPROLIT |
| D3W_38_22 | 15.7 | 16 | 1.61 | 7.31 | SAPROLIT |
| D3W_38_22 | 16 | 16.7 | 1.15 | 12.51 | SAPROLIT |
| D3W_38_22 | 16.7 | 17 | 1.52 | 8.93 | SAPROLIT |
| D3W_38_22 | 17 | 18 | 0.98 | 12.51 | WASTE |
| D3W_38_22 | 18 | 19 | 0.74 | 9.87 | WASTE |
| D3W_38_22 | 19 | 19.3 | 0.75 | 11.83 | WASTE |
| D3W_38_22 | 19.3 | 20 | 0.59 | 8.64 | WASTE |
| D3W_38_22 | 20 | 21 | 0.91 | 10.43 | WASTE |
| D3W_38_22 | 21 | 22 | 0.61 | 7.73 | WASTE |
| D3W_38_22 | 22 | 23 | 0.41 | 7.01 | BEDROCK |
| D3W_38_22 | 23 | 24 | 0.45 | 7.06 | BEDROCK |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_40_20 | 0 | 1 | 1.18 | 31.22 | LIMONIT |
| D3W_40_20 | 1 | 2 | 1.21 | 35.86 | LIMONIT |
| D3W_40_20 | 2 | 3 | 1.54 | 12.52 | SAPROLIT |
| D3W_40_20 | 3 | 4 | 1.35 | 8.46 | WASTE |
| D3W_40_20 | 4 | 5 | 1.29 | 7.75 | WASTE |
| D3W_40_20 | 5 | 6 | 0.38 | 7.75 | BEDROCK |
| D3W_40_22 | 0 | 1 | 1.25 | 33.03 | LIMONIT |
| D3W_40_22 | 1 | 2 | 1.46 | 33.29 | LIMONIT |
| D3W_40_22 | 2 | 3 | 1.65 | 29.49 | SAPROLIT |
| D3W_40_22 | 3 | 4 | 1.78 | 30.89 | SAPROLIT |
| D3W_40_22 | 4 | 5 | 1.99 | 25.14 | SAPROLIT |
| D3W_40_22 | 5 | 6 | 1.96 | 22.47 | SAPROLIT |
| D3W_40_22 | 6 | 7 | 1.67 | 33.09 | SAPROLIT |
| D3W_40_22 | 7 | 8 | 1.5 | 19.81 | SAPROLIT |
| D3W_40_22 | 8 | 9 | 1.62 | 15.22 | SAPROLIT |
| D3W_40_22 | 9 | 10 | 1.58 | 11.91 | SAPROLIT |
| D3W_40_22 | 10 | 11 | 1.52 | 12.53 | SAPROLIT |
| D3W_40_22 | 11 | 12 | 1.42 | 7.15 | SAPROLIT |
| D3W_40_22 | 12 | 13 | 1.02 | 5.89 | WASTE |
| D3W_40_22 | 13 | 13.4 | 1.24 | 12.96 | WASTE |
| D3W_40_22 | 13.4 | 14 | 0.88 | 5.64 | WASTE |
| D3W_40_22 | 14 | 15 | 0.38 | 5.39 | BEDROCK |
| D3W_36_22 | 0 | 1 | 1.44 | 32.2 | LIMONIT |
| D3W_36_22 | 1 | 1.2 | 1.62 | 29.46 | SAPROLIT |
| D3W_36_22 | 1.2 | 2 | 2.52 | 14.95 | SAPROLIT |
| D3W_36_22 | 2 | 3 | 2.45 | 17.8 | SAPROLIT |
| D3W_36_22 | 3 | 4 | 2.28 | 18.67 | SAPROLIT |
| D3W_36_22 | 4 | 5 | 2.11 | 20.56 | SAPROLIT |
| D3W_36_22 | 5 | 6 | 2.18 | 18.75 | SAPROLIT |
| D3W_36_22 | 6 | 7 | 1.74 | 17.41 | SAPROLIT |
| D3W_36_22 | 7 | 8 | 1.82 | 12.72 | SAPROLIT |
| D3W_36_22 | 8 | 8.6 | 1.66 | 8.05 | SAPROLIT |
| D3W_36_22 | 8.6 | 9 | 1.97 | 18.89 | SAPROLIT |
| D3W_36_22 | 9 | 10 | 2.04 | 16.96 | SAPROLIT |
| D3W_36_22 | 10 | 11 | 1.72 | 7.62 | SAPROLIT |
| D3W_36_22 | 11 | 12 | 1.55 | 7 | SAPROLIT |
| D3W_36_22 | 12 | 12.7 | 1.31 | 7.04 | WASTE |
| D3W_36_22 | 12.7 | 13 | 1.68 | 18.37 | SAPROLIT |
| D3W_36_22 | 13 | 14 | 1.76 | 13.48 | SAPROLIT |
| D3W_36_22 | 14 | 14.7 | 1.66 | 17.47 | SAPROLIT |
| D3W_36_22 | 14.7 | 15 | 1.64 | 8.37 | SAPROLIT |
| D3W_36_22 | 15 | 15.6 | 1.46 | 8.8 | SAPROLIT |
| D3W_36_22 | 15.6 | 16 | 1.4 | 13.4 | SAPROLIT |
| D3W_36_22 | 16 | 17 | 1.3 | 16.11 | WASTE |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_36_22 | 17 | 18 | 1.43 | 13.59 | SAPROLIT |
| D3W_36_22 | 18 | 19 | 1.3 | 13.59 | WASTE |
| D3W_36_22 | 19 | 20 | 1.24 | 13.36 | WASTE |
| D3W_36_22 | 20 | 21 | 1.08 | 9.86 | WASTE |
| D3W_36_22 | 21 | 22 | 0.64 | 6.31 | WASTE |
| D3W_36_22 | 22 | 23 | 0.57 | 8.01 | WASTE |
| D3W_36_22 | 23 | 24 | 0.46 | 5.44 | WASTE |
| D3W_36_22 | 24 | 25 | 0.75 | 13 | WASTE |
| D3W_36_22 | 25 | 26 | 0.79 | 13.75 | WASTE |
| D3W_36_22 | 26 | 27 | 0.9 | 12.17 | WASTE |
| D3W_36_22 | 27 | 28 | 0.84 | 10.89 | BEDROCK |
| D3W_38_24 | 0 | 1 | 0.64 | 30.08 | LIMONIT |
| D3W_38_24 | 1 | 2 | 0.28 | 22.09 | LIMONIT |
| D3W_38_24 | 2 | 3 | 0.33 | 8.89 | LIMONIT |
| D3W_38_24 | 3 | 4 | 0.93 | 30.4 | LIMONIT |
| D3W_38_24 | 4 | 5 | 0.34 | 13.57 | LIMONIT |
| D3W_38_24 | 5 | 6 | 0.59 | 13.08 | LIMONIT |
| D3W_38_24 | 6 | 7 | 1.39 | 26.44 | SAPROLIT |
| D3W_38_24 | 7 | 8 | 1.63 | 36.81 | SAPROLIT |
| D3W_38_24 | 8 | 9 | 1.74 | 34.47 | SAPROLIT |
| D3W_38_24 | 9 | 10 | 0.77 | 14 | BEDROCK |
| D3W_38_24 | 10 | 11 | 0.41 | 7.23 | BEDROCK |
| D3W_42_22 | 0 | 1 | 1.35 | 26.22 | LIMONIT |
| D3W_42_22 | 1 | 2 | 2.28 | 17.7 | SAPROLIT |
| D3W_42_22 | 2 | 3 | 2.6 | 18.54 | SAPROLIT |
| D3W_42_22 | 3 | 4 | 2.25 | 20.63 | SAPROLIT |
| D3W_42_22 | 4 | 5 | 2.25 | 19.82 | SAPROLIT |
| D3W_42_22 | 5 | 6 | 2.18 | 10.6 | SAPROLIT |
| D3W_42_22 | 6 | 7 | 1.96 | 11.55 | SAPROLIT |
| D3W_42_22 | 7 | 8 | 1.65 | 10.57 | SAPROLIT |
| D3W_42_22 | 8 | 9 | 1.56 | 8.45 | SAPROLIT |
| D3W_42_22 | 9 | 10 | 1.4 | 8.09 | SAPROLIT |
| D3W_42_22 | 10 | 11 | 1.02 | 6.79 | BEDROCK |
| D3W_42_22 | 11 | 11.5 | 1.19 | 7.67 | BEDROCK |
| D3W_42_20 | 0 | 1 | 1.7 | 22.18 | SAPROLIT |
| D3W_42_20 | 1 | 2 | 1.31 | 13.41 | WASTE |
| D3W_42_20 | 2 | 3 | 1.2 | 12.11 | WASTE |
| D3W_42_20 | 3 | 4 | 1.06 | 8.9 | WASTE |
| D3W_42_20 | 4 | 5 | 1.16 | 10.02 | WASTE |
| D3W_42_20 | 5 | 6 | 1.3 | 13.81 | WASTE |
| D3W_42_20 | 6 | 7 | 1.08 | 10.13 | WASTE |
| D3W_42_20 | 7 | 8 | 1.14 | 8.44 | WASTE |
| D3W_42_20 | 8 | 9 | 1.08 | 7.83 | WASTE |
| D3W_42_20 | 9 | 10 | 0.97 | 7.5 | BEDROCK |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_42_24 | 0 | 1 | 0.63 | 35.59 | LIMONIT |
| D3W_42_24 | 1 | 1.7 | 0.67 | 35.8 | LIMONIT |
| D3W_42_24 | 1.7 | 2 | 0.26 | 6.61 | LIMONIT |
| D3W_42_24 | 2 | 2.7 | 0.85 | 33.81 | LIMONIT |
| D3W_42_24 | 2.7 | 3 | 1.2 | 32.56 | LIMONIT |
| D3W_42_24 | 3 | 4 | 1.24 | 35.61 | LIMONIT |
| D3W_42_24 | 4 | 5 | 1.34 | 33.58 | LIMONIT |
| D3W_42_24 | 5 | 6 | 1.71 | 26.85 | SAPROLIT |
| D3W_42_24 | 6 | 7 | 1.87 | 21.82 | SAPROLIT |
| D3W_42_24 | 7 | 8 | 1.74 | 17.62 | SAPROLIT |
| D3W_42_24 | 8 | 9 | 1.44 | 18.46 | SAPROLIT |
| D3W_42_24 | 9 | 10 | 1.37 | 28.39 | WASTE |
| D3W_42_24 | 10 | 11 | 1.47 | 18.11 | WASTE |
| D3W_42_24 | 11 | 12 | 0.62 | 7.5 | WASTE |
| D3W_42_24 | 12 | 13 | 0.45 | 7.34 | WASTE |
| D3W_42_24 | 13 | 14 | 0.45 | 7.77 | WASTE |
| D3W_42_24 | 14 | 14.5 | 0.38 | 6.24 | BEDROCK |
| D3W_42_24 | 14.5 | 15 | 0.32 | 5.39 | BEDROCK |
| D3W_42_24 | 15 | 16 | 0.31 | 4.79 | BEDROCK |
| D3W_42_24 | 16 | 17 | 0.34 | 5.16 | BEDROCK |
| D3W_44_20 | 0 | 1 | 1.11 | 21.44 | LIMONIT |
| D3W_44_20 | 1 | 1.4 | 1.14 | 22.97 | LIMONIT |
| D3W_44_20 | 1.4 | 2 | 1.24 | 15.17 | LIMONIT |
| D3W_44_20 | 2 | 3 | 1.15 | 13.33 | LIMONIT |
| D3W_44_20 | 3 | 4 | 0.76 | 8.38 | LIMONIT |
| D3W_44_20 | 4 | 5 | 0.75 | 9.17 | LIMONIT |
| D3W_44_20 | 5 | 6 | 0.76 | 9.4 | LIMONIT |
| D3W_44_20 | 6 | 7 | 0.5 | 6.27 | LIMONIT |
| D3W_44_24 | 0 | 1 | 0.96 | 31.85 | LIMONIT |
| D3W_44_24 | 1 | 2 | 1.15 | 34.51 | LIMONIT |
| D3W_44_24 | 2 | 3 | 1.47 | 18.08 | LIMONIT |
| D3W_44_24 | 3 | 4 | 1.47 | 15.25 | LIMONIT |
| D3W_44_24 | 4 | 4.7 | 1.19 | 8.87 | LIMONIT |
| D3W_44_24 | 4.7 | 5 | 1.07 | 15.26 | LIMONIT |
| D3W_44_24 | 5 | 6 | 1 | 10.97 | LIMONIT |
| D3W_44_24 | 6 | 7 | 0.96 | 9.16 | LIMONIT |
| D3W_44_24 | 7 | 8 | 0.7 | 8.97 | LIMONIT |
| D3W_44_24 | 8 | 8.6 | 0.62 | 7.81 | LIMONIT |
| D3W_44_22 | 0 | 0.5 | 1.22 | 19.37 | LIMONIT |
| D3W_44_22 | 0.5 | 1 | 0.6 | 6.6 | LIMONIT |
| D3W_44_22 | 1 | 2 | 0.6 | 6.05 | LIMONIT |
| D3W_44_22 | 2 | 3 | 0.8 | 5.62 | LIMONIT |
| D3W_44_22 | 3 | 4 | 0.59 | 5.78 | LIMONIT |
| D3W_40_21 | 0 | 1 | 1.24 | 36.27 | LIMONIT |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_40_21 | 1 | 2 | 1.95 | 27.03 | SAPROLIT |
| D3W_40_21 | 2 | 3 | 1.71 | 30.53 | SAPROLIT |
| D3W_40_21 | 3 | 4 | 1.73 | 29 | SAPROLIT |
| D3W_40_21 | 4 | 4.55 | 1.64 | 26.16 | SAPROLIT |
| D3W_40_21 | 4.55 | 5 | 2.05 | 13.89 | SAPROLIT |
| D3W_40_21 | 5 | 5.7 | 1.93 | 11.43 | SAPROLIT |
| D3W_40_21 | 5.7 | 6 | 1.94 | 7.67 | SAPROLIT |
| D3W_40_21 | 6 | 7 | 1.65 | 8.82 | SAPROLIT |
| D3W_40_21 | 7 | 7.8 | 1.49 | 6.56 | SAPROLIT |
| D3W_40_21 | 7.8 | 8 | 1.74 | 16.47 | SAPROLIT |
| D3W_40_21 | 8 | 8.3 | 1.61 | 11.48 | SAPROLIT |
| D3W_40_21 | 8.3 | 9 | 0.9 | 6.51 | BEDROCK |
| D3W_40_21 | 9 | 10 | 0.7 | 6.04 | BEDROCK |
| D3W_43_22 | 0 | 1 | 1.42 | 30.36 | LIMONIT |
| D3W_43_22 | 1 | 2 | 1.72 | 25.26 | SAPROLIT |
| D3W_43_22 | 2 | 3 | 2.09 | 11.5 | SAPROLIT |
| D3W_43_22 | 3 | 4 | 1.23 | 9.72 | WASTE |
| D3W_43_22 | 4 | 5 | 1.74 | 18.54 | SAPROLIT |
| D3W_43_22 | 5 | 6 | 1.9 | 14.76 | SAPROLIT |
| D3W_43_22 | 6 | 7 | 1.64 | 12.33 | SAPROLIT |
| D3W_43_22 | 7 | 8 | 0.67 | 5.93 | WASTE |
| D3W_43_22 | 8 | 9 | 1.77 | 11.65 | SAPROLIT |
| D3W_43_22 | 9 | 10 | 1.67 | 8.88 | SAPROLIT |
| D3W_43_22 | 10 | 11 | 1.52 | 14.59 | SAPROLIT |
| D3W_43_22 | 11 | 12 | 1 | 7.63 | WASTE |
| D3W_43_22 | 12 | 13 | 1.83 | 8.12 | SAPROLIT |
| D3W_38_21 | 0 | 1 | 1.18 | 31.19 | LIMONIT |
| D3W_38_21 | 1 | 2 | 1.51 | 28.62 | SAPROLIT |
| D3W_38_21 | 2 | 2.3 | 1.6 | 22.71 | SAPROLIT |
| D3W_38_21 | 2.3 | 2.65 | 1.75 | 9.9 | SAPROLIT |
| D3W_38_21 | 2.65 | 3 | 1.46 | 22.28 | SAPROLIT |
| D3W_38_21 | 3 | 4 | 1.66 | 21.21 | SAPROLIT |
| D3W_38_21 | 4 | 4.15 | 1.57 | 20.51 | SAPROLIT |
| D3W_38_21 | 4.15 | 4.7 | 1.23 | 6.32 | WASTE |
| D3W_38_21 | 4.7 | 5 | 1.4 | 17.3 | WASTE |
| D3W_38_21 | 5 | 5.3 | 1.24 | 12.95 | WASTE |
| D3W_38_21 | 5.3 | 6 | 1.13 | 8.72 | WASTE |
| D3W_38_21 | 6 | 6.2 | 1.38 | 14.78 | WASTE |
| D3W_38_21 | 6.2 | 7 | 0.63 | 6.95 | WASTE |
| D3W_38_21 | 7 | 8 | 0.59 | 6.85 | WASTE |
| D3W_38_21 | 8 | 9 | 0.42 | 6.39 | BEDROCK |
| D3W_41_22 | 0 | 1 | 1.77 | 30.33 | SAPROLIT |
| D3W_41_22 | 1 | 2 | 2.67 | 18.91 | SAPROLIT |
| D3W_41_22 | 2 | 3 | 2.23 | 28.56 | SAPROLIT |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_41_22 | 3 | 4 | 2.4 | 27.52 | SAPROLIT |
| D3W_41_22 | 4 | 5 | 2.67 | 25.49 | SAPROLIT |
| D3W_41_22 | 5 | 6 | 2.55 | 24.6 | SAPROLIT |
| D3W_41_22 | 6 | 7 | 2.49 | 17.89 | SAPROLIT |
| D3W_41_22 | 7 | 8 | 1.53 | 19.01 | SAPROLIT |
| D3W_41_22 | 8 | 9 | 1.44 | 17.94 | SAPROLIT |
| D3W_41_22 | 9 | 10 | 1.67 | 10.53 | SAPROLIT |
| D3W_41_22 | 10 | 11 | 1.32 | 8.73 | WASTE |
| D3W_41_22 | 11 | 12 | 1.49 | 10.33 | WASTE |
| D3W_41_22 | 12 | 13 | 0.6 | 6.66 | WASTE |
| D3W_41_22 | 13 | 14 | 0.4 | 6.1 | BEDROCK |
| D3W_35_22 | 0 | 1 | 1.27 | 28.34 | LIMONIT |
| D3W_35_22 | 1 | 2 | 1.29 | 31.52 | LIMONIT |
| D3W_35_22 | 2 | 2.75 | 1.41 | 25.8 | LIMONIT |
| D3W_35_22 | 2.75 | 3 | 0.62 | 10.6 | LIMONIT |
| D3W_35_22 | 3 | 4 | 1.75 | 14.35 | SAPROLIT |
| D3W_35_22 | 4 | 5 | 1.87 | 14.71 | SAPROLIT |
| D3W_35_22 | 5 | 6 | 1.97 | 20.38 | SAPROLIT |
| D3W_35_22 | 6 | 7 | 1.77 | 15.27 | SAPROLIT |
| D3W_35_22 | 7 | 8 | 1.57 | 23.1 | SAPROLIT |
| D3W_35_22 | 8 | 9 | 1.31 | 30.23 | WASTE |
| D3W_35_22 | 9 | 9.6 | 1.52 | 26.7 | SAPROLIT |
| D3W_35_22 | 9.6 | 10 | 1.69 | 12.77 | SAPROLIT |
| D3W_35_22 | 10 | 11 | 1.43 | 16.98 | SAPROLIT |
| D3W_35_22 | 11 | 12 | 1.64 | 20.04 | SAPROLIT |
| D3W_35_22 | 12 | 13 | 1.5 | 21.98 | SAPROLIT |
| D3W_35_22 | 13 | 14 | 0.68 | 7.36 | WASTE |
| D3W_35_22 | 14 | 14.45 | 1.59 | 9.08 | SAPROLIT |
| D3W_35_22 | 14.45 | 15 | 1.46 | 22.31 | SAPROLIT |
| D3W_35_22 | 15 | 16 | 1.44 | 15.27 | WASTE |
| D3W_35_22 | 16 | 16.35 | 1.31 | 6.85 | WASTE |
| D3W_35_22 | 16.35 | 17 | 1.48 | 13.1 | WASTE |
| D3W_35_22 | 17 | 17.3 | 0.96 | 6.5 | WASTE |
| D3W_35_22 | 17.3 | 18 | 1.39 | 14.63 | WASTE |
| D3W_35_22 | 18 | 19 | 1.22 | 16.03 | WASTE |
| D3W_35_22 | 19 | 20 | 0.75 | 10.1 | WASTE |
| D3W_35_22 | 20 | 21 | 0.51 | 6.46 | WASTE |
| D3W_35_22 | 21 | 21.45 | 0.83 | 9.54 | WASTE |
| D3W_35_22 | 21.45 | 21.78 | 0.55 | 6.58 | WASTE |
| D3W_35_22 | 21.78 | 22 | 1 | 19.95 | WASTE |
| D3W_35_22 | 22 | 22.25 | 0.86 | 9.32 | WASTE |
| D3W_35_22 | 22.25 | 23 | 0.58 | 6.28 | WASTE |
| D3W_35_22 | 23 | 24 | 1.09 | 14.7 | WASTE |
| D3W_35_22 | 24 | 25 | 0.47 | 6.32 | WASTE |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_35_22 | 25 | 25.4 | 0.44 | 5.91 | WASTE |
| D3W_35_22 | 25.4 | 26 | 0.69 | 11.24 | WASTE |
| D3W_35_22 | 26 | 27 | 0.67 | 10.06 | WASTE |
| D3W_35_22 | 27 | 27.6 | 0.54 | 7.31 | BEDROCK |
| D3W_35_22 | 27.6 | 28 | 0.46 | 6.26 | BEDROCK |
| D3W_35_22 | 28 | 28.33 | 0.46 | 5.96 | BEDROCK |
| D3W_35_22 | 28.33 | 29 | 0.68 | 8.65 | BEDROCK |
| D3W_35_22 | 29 | 30 | 0.41 | 5.86 | BEDROCK |
| D3W_35_22 | 30 | 30.55 | 0.6 | 8.04 | BEDROCK |
| D3W_35_22 | 30.55 | 31 | 0.67 | 9.26 | BEDROCK |
| D3W_35_22 | 31 | 32 | 0.53 | 7.06 | BEDROCK |
| D3W_39_21 | 0 | 1 | 1.08 | 35.66 | LIMONIT |
| D3W_39_21 | 1 | 2 | 1.31 | 32.36 | LIMONIT |
| D3W_39_21 | 2 | 3 | 1.64 | 30.29 | SAPROLIT |
| D3W_39_21 | 3 | 4 | 1.75 | 27.34 | SAPROLIT |
| D3W_39_21 | 4 | 5 | 1.48 | 26.97 | SAPROLIT |
| D3W_39_21 | 5 | 6 | 1.45 | 21.14 | SAPROLIT |
| D3W_39_21 | 6 | 7 | 1.66 | 15.62 | SAPROLIT |
| D3W_39_21 | 7 | 8 | 1.58 | 17.8 | SAPROLIT |
| D3W_39_21 | 8 | 9 | 1.26 | 10.27 | WASTE |
| D3W_39_21 | 9 | 10 | 1.11 | 14.78 | WASTE |
| D3W_39_21 | 10 | 11 | 1.09 | 12.16 | WASTE |
| D3W_39_21 | 11 | 12 | 0.91 | 9.31 | WASTE |
| D3W_39_21 | 12 | 13 | 0.54 | 8.11 | WASTE |
| D3W_39_21 | 13 | 14 | 0.39 | 7.38 | BEDROCK |
| D3W_39_21 | 14 | 15 | 0.5 | 9.35 | BEDROCK |
| D3W_39_21 | 15 | 16 | 0.37 | 7.08 | BEDROCK |
| D3W_39_21 | 16 | 16.7 | 0.39 | 6.49 | BEDROCK |
| D3W_39_21 | 16.7 | 17 | 0.36 | 6.13 | BEDROCK |
| D3W_39_21 | 17 | 18 | 0.39 | 6.31 | BEDROCK |
| D3W_39_21 | 18 | 19 | 0.19 | 5.7 | BEDROCK |
| D3W_39_21 | 19 | 20 | 0.22 | 6.53 | BEDROCK |
| D3W_39_21 | 20 | 21 | 0.18 | 5.5 | BEDROCK |
| D3W_39_21 | 21 | 21.8 | 0.21 | 4.83 | BEDROCK |
| D3W_36_23 | 0 | 1 | 1.22 | 38.04 | LIMONIT |
| D3W_36_23 | 1 | 2 | 0.97 | 41 | LIMONIT |
| D3W_36_23 | 2 | 3 | 1.18 | 40.62 | LIMONIT |
| D3W_36_23 | 3 | 4 | 1.35 | 37.3 | LIMONIT |
| D3W_36_23 | 4 | 5 | 1.54 | 27.73 | SAPROLIT |
| D3W_36_23 | 5 | 6 | 1.63 | 33.59 | SAPROLIT |
| D3W_36_23 | 6 | 7 | 1.57 | 37.51 | SAPROLIT |
| D3W_36_23 | 7 | 8 | 1.66 | 33.12 | SAPROLIT |
| D3W_36_23 | 8 | 9 | 1.63 | 35.9 | SAPROLIT |
| D3W_36_23 | 9 | 10 | 1.96 | 31.32 | SAPROLIT |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_36_23 | 10 | 11 | 1.74 | 33.71 | SAPROLIT |
| D3W_36_23 | 11 | 12 | 0.48 | 9.2 | WASTE |
| D3W_36_23 | 12 | 13 | 1.31 | 23.85 | SAPROLIT |
| D3W_36_23 | 13 | 14 | 1.63 | 27.06 | SAPROLIT |
| D3W_36_23 | 14 | 15 | 1.86 | 25.61 | SAPROLIT |
| D3W_36_23 | 15 | 16 | 1.5 | 27.03 | SAPROLIT |
| D3W_36_23 | 16 | 17 | 1.86 | 27.27 | SAPROLIT |
| D3W_36_23 | 17 | 18 | 2.13 | 25.28 | SAPROLIT |
| D3W_36_23 | 18 | 19 | 2.21 | 25.98 | SAPROLIT |
| D3W_36_23 | 19 | 20 | 1.51 | 22.98 | SAPROLIT |
| D3W_37_21 | 0 | 1 | 1.27 | 23.78 | LIMONIT |
| D3W_37_21 | 1 | 1.4 | 1.21 | 16.69 | SAPROLIT |
| D3W_37_21 | 1.4 | 2 | 0.88 | 6.59 | BEDROCK |
| D3W_37_21 | 2 | 3 | 0.9 | 6.9 | BEDROCK |
| D3W_37_21 | 3 | 4 | 0.73 | 7.43 | BEDROCK |
| D3W_37_23 | 0 | 1 | 0.72 | 40.74 | LIMONIT |
| D3W_37_23 | 1 | 2 | 0.73 | 40.76 | LIMONIT |
| D3W_37_23 | 2 | 3 | 0.83 | 38.93 | LIMONIT |
| D3W_37_23 | 3 | 4 | 0.75 | 32.23 | LIMONIT |
| D3W_37_23 | 4 | 5 | 1.64 | 33.62 | SAPROLIT |
| D3W_37_23 | 5 | 6 | 1.89 | 33.07 | SAPROLIT |
| D3W_37_23 | 6 | 7 | 0.49 | 9.28 | WASTE |
| D3W_37_23 | 7 | 8 | 2.12 | 25.27 | SAPROLIT |
| D3W_37_23 | 8 | 9 | 2.24 | 20.65 | SAPROLIT |
| D3W_37_23 | 9 | 9.4 | 2.56 | 28.96 | SAPROLIT |
| D3W_37_23 | 9.4 | 10 | 2.14 | 7.63 | SAPROLIT |
| D3W_37_23 | 10 | 11 | 1.62 | 22.09 | SAPROLIT |
| D3W_37_23 | 11 | 12 | 2.05 | 32.36 | SAPROLIT |
| D3W_37_23 | 12 | 13 | 1.83 | 33.02 | SAPROLIT |
| D3W_37_23 | 13 | 14 | 1.98 | 29.99 | SAPROLIT |
| D3W_37_23 | 14 | 15 | 1.72 | 35.31 | SAPROLIT |
| D3W_37_23 | 15 | 16 | 1.63 | 39.46 | SAPROLIT |
| D3W_37_23 | 16 | 17 | 1.38 | 25.65 | WASTE |
| D3W_37_23 | 17 | 18 | 0.55 | 9.87 | WASTE |
| D3W_37_23 | 18 | 19 | 1.09 | 15.53 | WASTE |
| D3W_37_23 | 19 | 20 | 0.93 | 10.83 | WASTE |
| D3W_37_23 | 20 | 21 | 0.73 | 8.18 | WASTE |
| D3W_37_23 | 21 | 22 | 0.92 | 14.81 | WASTE |
| D3W_37_23 | 22 | 23 | 0.82 | 13.25 | WASTE |
| D3W_37_23 | 23 | 24 | 0.71 | 12.4 | WASTE |
| D3W_37_23 | 24 | 25 | 0.8 | 10.99 | WASTE |
| D3W_37_23 | 25 | 26 | 0.35 | 5.09 | BEDROCK |
| D3W_37_23 | 26 | 26.3 | 0.32 | 4.42 | BEDROCK |
| D3W_40_23 | 0 | 1 | 0.78 | 40.09 | LIMONIT |

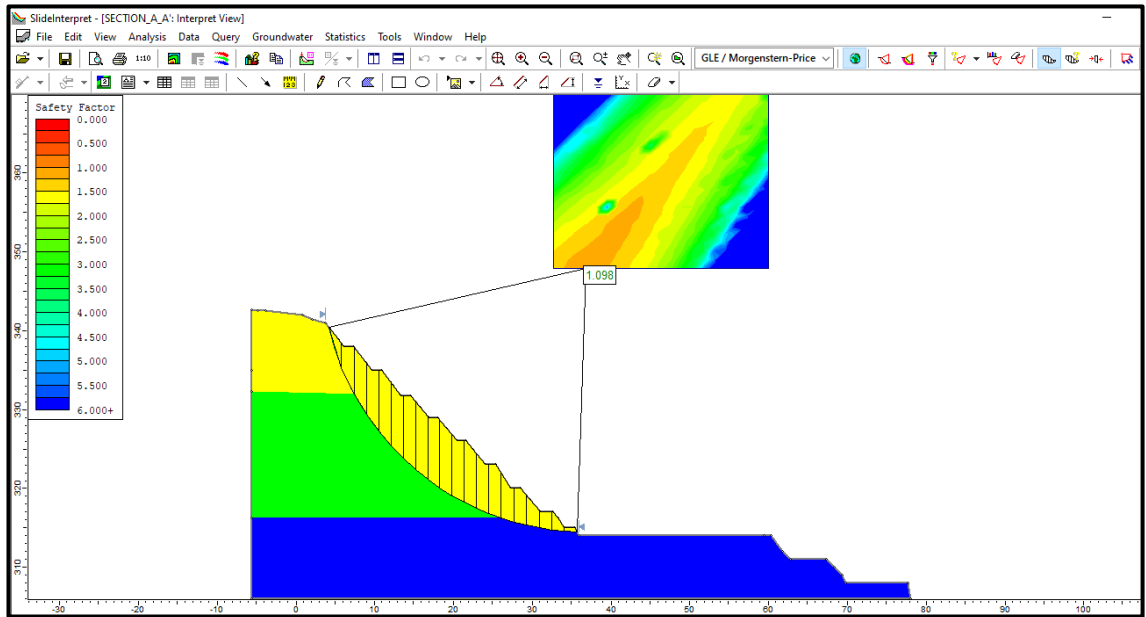
| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_40_23 | 1 | 2 | 0.75 | 42.13 | LIMONIT |
| D3W_40_23 | 2 | 3 | 0.84 | 46.08 | LIMONIT |
| D3W_40_23 | 3 | 4 | 0.9 | 44.54 | LIMONIT |
| D3W_40_23 | 4 | 5 | 1.24 | 34.7 | LIMONIT |
| D3W_40_23 | 5 | 6 | 1.45 | 36.58 | SAPROLIT |
| D3W_40_23 | 6 | 7 | 1.64 | 33.62 | SAPROLIT |
| D3W_40_23 | 7 | 8 | 1.44 | 30.26 | SAPROLIT |
| D3W_40_23 | 8 | 9 | 1.57 | 30.85 | SAPROLIT |
| D3W_40_23 | 9 | 10 | 1.68 | 29.37 | SAPROLIT |
| D3W_40_23 | 10 | 10.3 | 1.88 | 22.33 | SAPROLIT |
| D3W_40_23 | 10.3 | 11 | 1.75 | 29.41 | SAPROLIT |
| D3W_40_23 | 11 | 12 | 1.82 | 25 | SAPROLIT |
| D3W_40_23 | 12 | 13 | 1.97 | 26.88 | SAPROLIT |
| D3W_40_23 | 13 | 14 | 1.91 | 15.52 | SAPROLIT |
| D3W_40_23 | 14 | 14.7 | 1.29 | 7.4 | WASTE |
| D3W_40_23 | 14.7 | 15 | 1.29 | 13.6 | WASTE |
| D3W_40_23 | 15 | 16 | 0.95 | 8.35 | BEDROCK |
| D3W_41_23 | 0 | 1 | 0.75 | 41.74 | LIMONIT |
| D3W_41_23 | 1 | 2 | 0.69 | 42.14 | LIMONIT |
| D3W_41_23 | 2 | 3 | 0.69 | 37.35 | LIMONIT |
| D3W_41_23 | 3 | 3.4 | 1.14 | 34.74 | LIMONIT |
| D3W_41_23 | 3.4 | 4 | 1.34 | 34.81 | LIMONIT |
| D3W_41_23 | 4 | 5 | 1.56 | 32.27 | SAPROLIT |
| D3W_41_23 | 5 | 6 | 1.65 | 29.01 | SAPROLIT |
| D3W_41_23 | 6 | 7 | 1.7 | 25.47 | SAPROLIT |
| D3W_41_23 | 7 | 8 | 1.68 | 19.57 | SAPROLIT |
| D3W_41_23 | 8 | 9 | 1.68 | 22.9 | SAPROLIT |
| D3W_41_23 | 9 | 10 | 1.58 | 23.55 | SAPROLIT |
| D3W_41_23 | 10 | 11 | 1.77 | 18.2 | SAPROLIT |
| D3W_41_23 | 11 | 12 | 1.66 | 10.03 | SAPROLIT |
| D3W_41_23 | 12 | 12.3 | 1.49 | 14.83 | SAPROLIT |
| D3W_41_23 | 12.3 | 13 | 0.77 | 5.64 | BEDROCK |
| D3W_41_23 | 13 | 14 | 0.92 | 6.45 | BEDROCK |
| D3W_41_23 | 14 | 15 | 0.49 | 5.97 | BEDROCK |
| D3W_38_23 | 0 | 1 | 0.73 | 40.85 | LIMONIT |
| D3W_38_23 | 1 | 2 | 0.69 | 40.78 | LIMONIT |
| D3W_38_23 | 2 | 3 | 0.29 | 5.59 | LIMONIT |
| D3W_38_23 | 3 | 4 | 0.39 | 7.07 | LIMONIT |
| D3W_38_23 | 4 | 5 | 1.4 | 32.82 | LIMONIT |
| D3W_38_23 | 5 | 6 | 1.29 | 29.95 | LIMONIT |
| D3W_38_23 | 6 | 7 | 1.6 | 28.67 | LIMONIT |
| D3W_38_23 | 7 | 8 | 1.11 | 22.35 | LIMONIT |
| D3W_38_23 | 8 | 9 | 0.82 | 15.41 | LIMONIT |
| D3W_38_23 | 9 | 10 | 0.28 | 4.86 | LIMONIT |

| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_38_23 | 10 | 10.5 | 0.31 | 3.59 | LIMONIT |
| D3W_38_23 | 10.5 | 11 | 0.46 | 8.97 | LIMONIT |
| D3W_38_23 | 11 | 12 | 0.97 | 22.68 | LIMONIT |
| D3W_38_23 | 12 | 13 | 0.85 | 22.04 | LIMONIT |
| D3W_38_23 | 13 | 13.75 | 1.08 | 21.82 | LIMONIT |
| D3W_38_23 | 13.75 | 14 | 0.19 | 3.25 | LIMONIT |
| D3W_38_23 | 14 | 14.35 | 0.22 | 3.76 | LIMONIT |
| D3W_38_23 | 14.35 | 15 | 0.73 | 18.65 | LIMONIT |
| D3W_38_23 | 15 | 16 | 1.25 | 21.35 | LIMONIT |
| D3W_38_23 | 16 | 17 | 1.69 | 24.64 | SAPROLIT |
| D3W_38_23 | 17 | 18 | 1.7 | 18.84 | SAPROLIT |
| D3W_38_23 | 18 | 19 | 1.89 | 25.93 | SAPROLIT |
| D3W_38_23 | 19 | 20 | 1.78 | 26.33 | SAPROLIT |
| D3W_38_23 | 20 | 21 | 1.63 | 29.74 | SAPROLIT |
| D3W_38_23 | 21 | 22 | 0.96 | 20.31 | WASTE |
| D3W_38_23 | 22 | 23 | 1.07 | 12.5 | WASTE |
| D3W_38_23 | 23 | 24 | 1.07 | 14.99 | WASTE |
| D3W_38_23 | 24 | 25 | 0.97 | 21.3 | WASTE |
| D3W_38_23 | 25 | 26 | 0.74 | 15.69 | WASTE |
| D3W_38_23 | 26 | 27 | 1.25 | 27.5 | WASTE |
| D3W_38_23 | 27 | 28 | 1.34 | 25.2 | WASTE |
| D3W_38_23 | 28 | 29 | 0.61 | 15.05 | WASTE |
| D3W_38_23 | 29 | 30 | 0.52 | 10.7 | WASTE |
| D3W_38_23 | 30 | 31 | 1.16 | 25.65 | WASTE |
| D3W_38_23 | 31 | 32 | 1.59 | 27.05 | SAPROLIT |
| D3W_38_23 | 32 | 32.4 | 0.43 | 7.83 | BEDROCK |
| D3W_39_23 | 0 | 1 | 0.79 | 41.14 | LIMONIT |
| D3W_39_23 | 1 | 2 | 0.88 | 40.04 | LIMONIT |
| D3W_39_23 | 2 | 3 | 0.87 | 43.71 | LIMONIT |
| D3W_39_23 | 3 | 4 | 0.92 | 40.72 | LIMONIT |
| D3W_39_23 | 4 | 5 | 1.05 | 40.76 | LIMONIT |
| D3W_39_23 | 5 | 6 | 1.6 | 30.97 | SAPROLIT |
| D3W_39_23 | 6 | 7 | 1.58 | 30.8 | SAPROLIT |
| D3W_39_23 | 7 | 8 | 1.69 | 32.54 | SAPROLIT |
| D3W_39_23 | 8 | 9 | 1.71 | 33.19 | SAPROLIT |
| D3W_39_23 | 9 | 10 | 1.66 | 33.19 | SAPROLIT |
| D3W_39_23 | 10 | 11 | 1.53 | 31.5 | SAPROLIT |
| D3W_39_23 | 11 | 12 | 1.14 | 32.36 | WASTE |
| D3W_39_23 | 12 | 13 | 1.52 | 32.36 | SAPROLIT |
| D3W_39_23 | 13 | 14 | 1.42 | 28.54 | WASTE |
| D3W_39_23 | 14 | 15 | 1.33 | 26.15 | WASTE |
| D3W_39_23 | 15 | 16 | 1.44 | 26.74 | WASTE |
| D3W_39_23 | 16 | 17 | 1.17 | 29.02 | WASTE |
| D3W_39_23 | 17 | 18 | 1.7 | 31.59 | SAPROLIT |

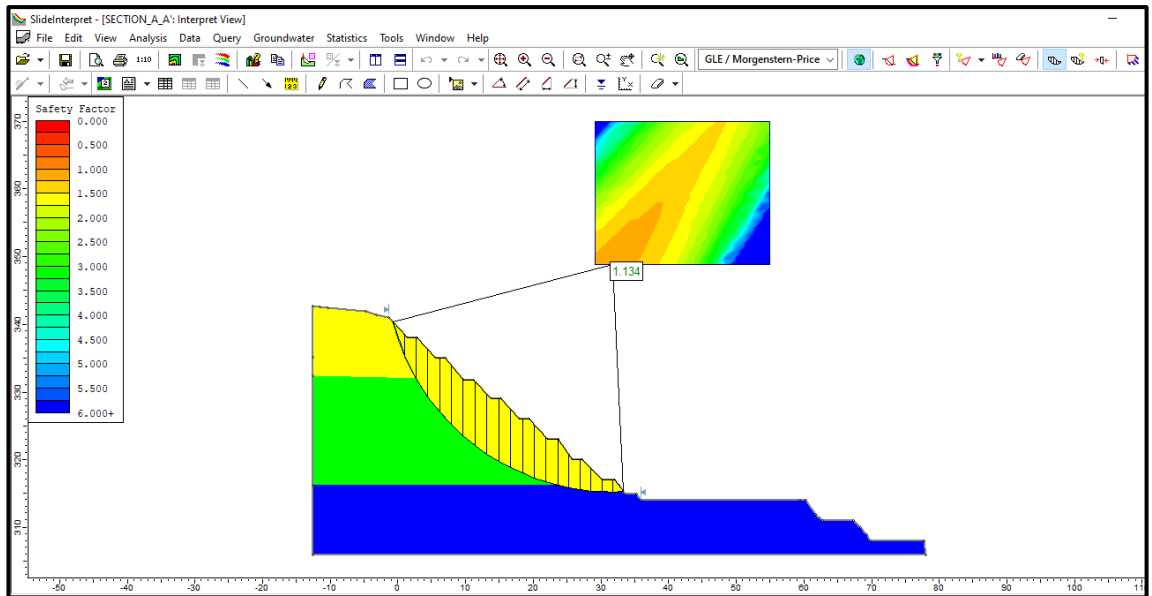
| Hole_id | Depth_from | Depth_to | Ni | Fe | LITHOLOGY |
|-----------|------------|----------|------|-------|-----------|
| D3W_39_23 | 18 | 19 | 1.9 | 16.84 | SAPROLIT |
| D3W_39_23 | 19 | 20 | 1.87 | 12.48 | SAPROLIT |
| D3W_39_23 | 20 | 21 | 1.72 | 12.34 | SAPROLIT |
| D3W_39_23 | 21 | 22 | 1.37 | 13.3 | WASTE |
| D3W_39_23 | 22 | 23 | 1.4 | 21.08 | WASTE |
| D3W_39_23 | 23 | 24 | 1.48 | 15.76 | WASTE |
| D3W_39_23 | 24 | 25 | 2 | 14.16 | SAPROLIT |
| D3W_39_23 | 25 | 26 | 1.52 | 30.59 | SAPROLIT |
| D3W_39_23 | 26 | 27 | 1.48 | 31.01 | SAPROLIT |
| D3W_39_23 | 27 | 28 | 1.69 | 29.3 | SAPROLIT |
| D3W_39_23 | 28 | 29 | 1.7 | 23.75 | SAPROLIT |
| D3W_39_23 | 29 | 30 | 2.12 | 24.91 | SAPROLIT |

LAMPIRAN C
HASIL PERHITUNGAN REKOMENDASI LERENG

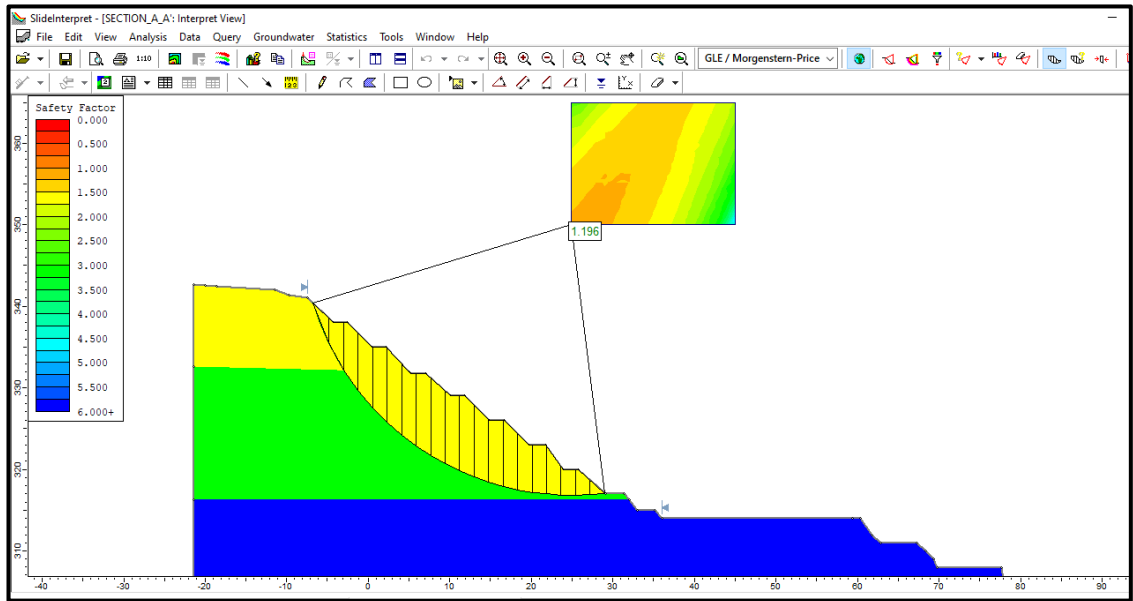
Penampang A-A' 40°



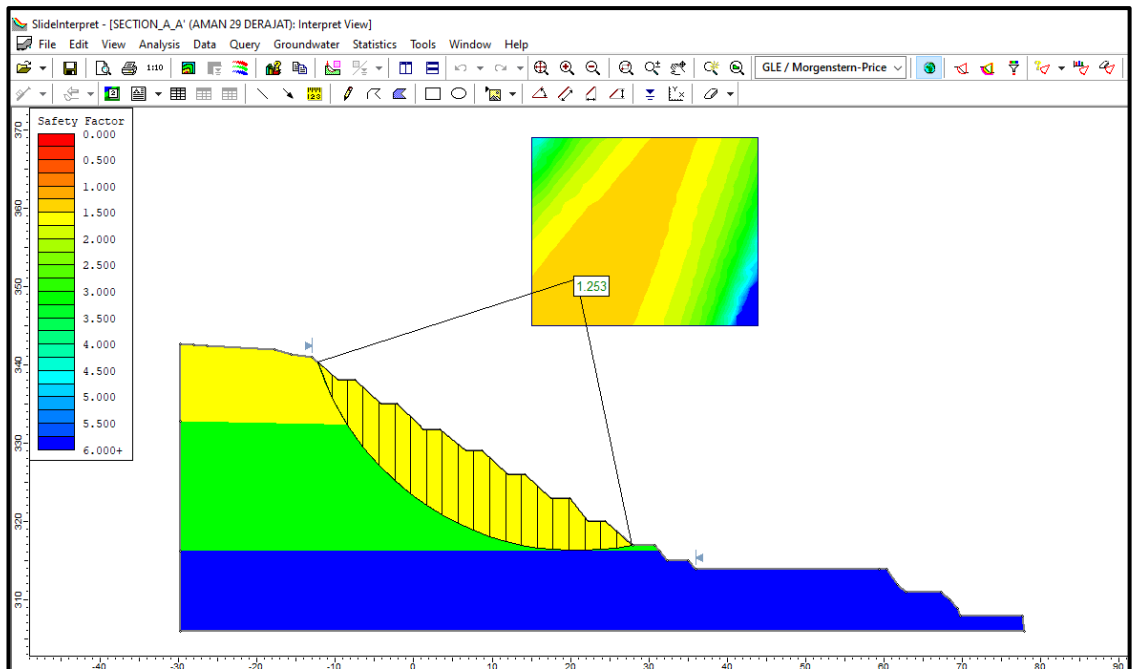
Penampang A-A' 36°



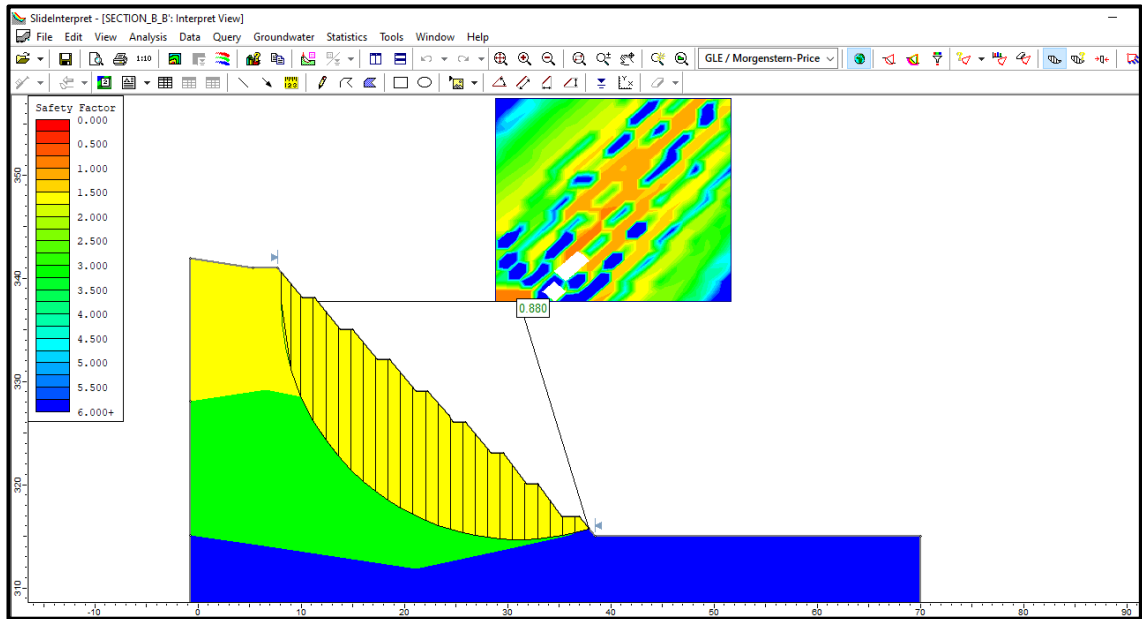
Penampang A-A' 32°



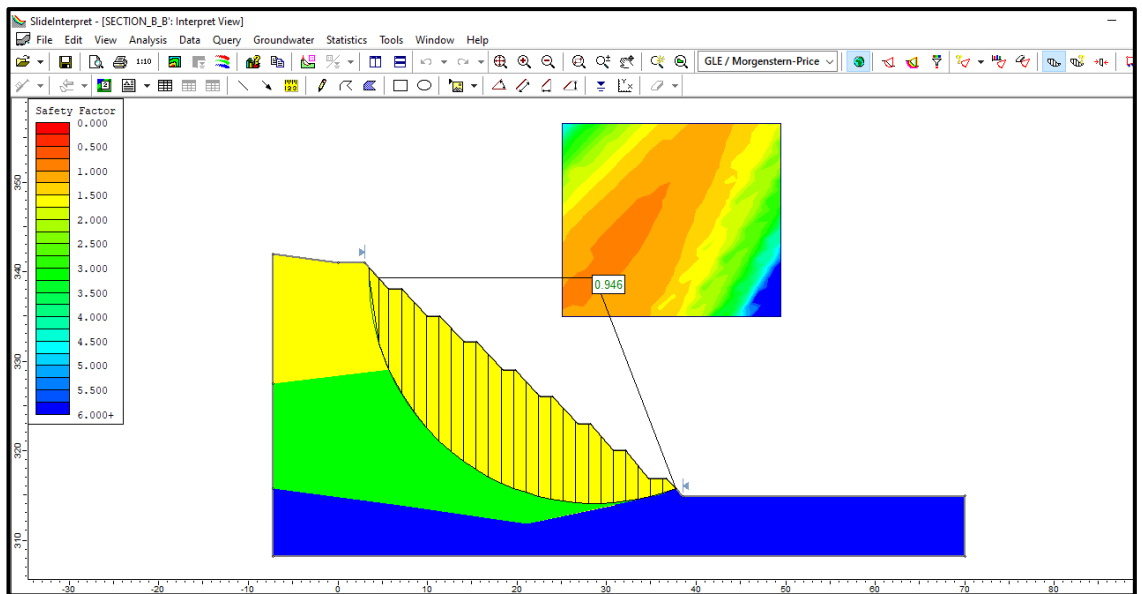
Penampang A-A' 29° (AMAN)



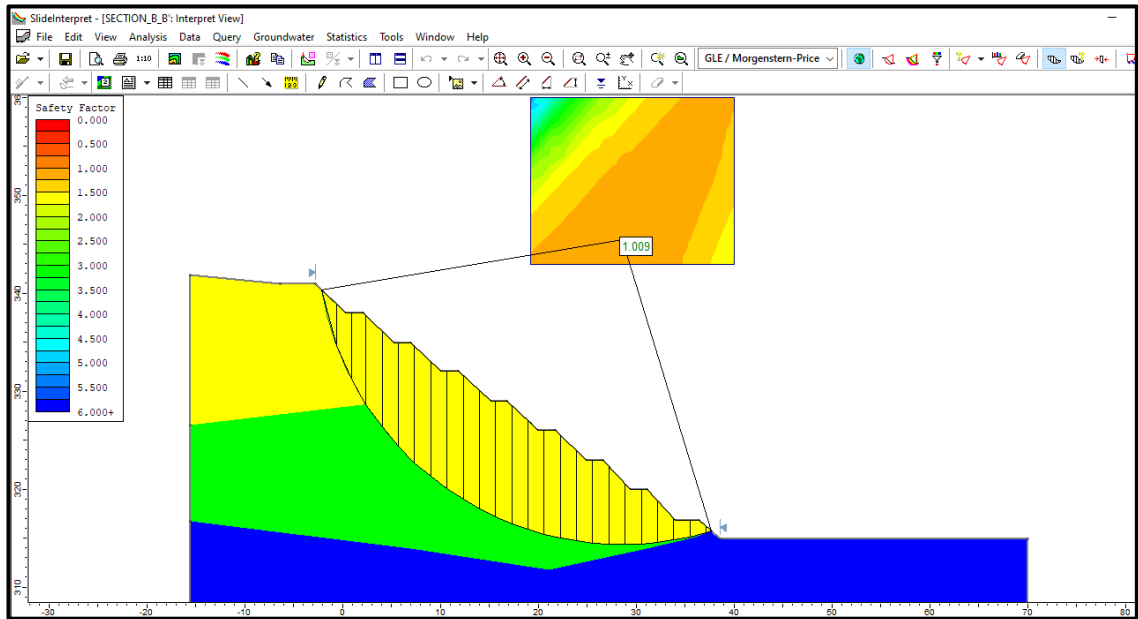
Penampang B-B' 40°



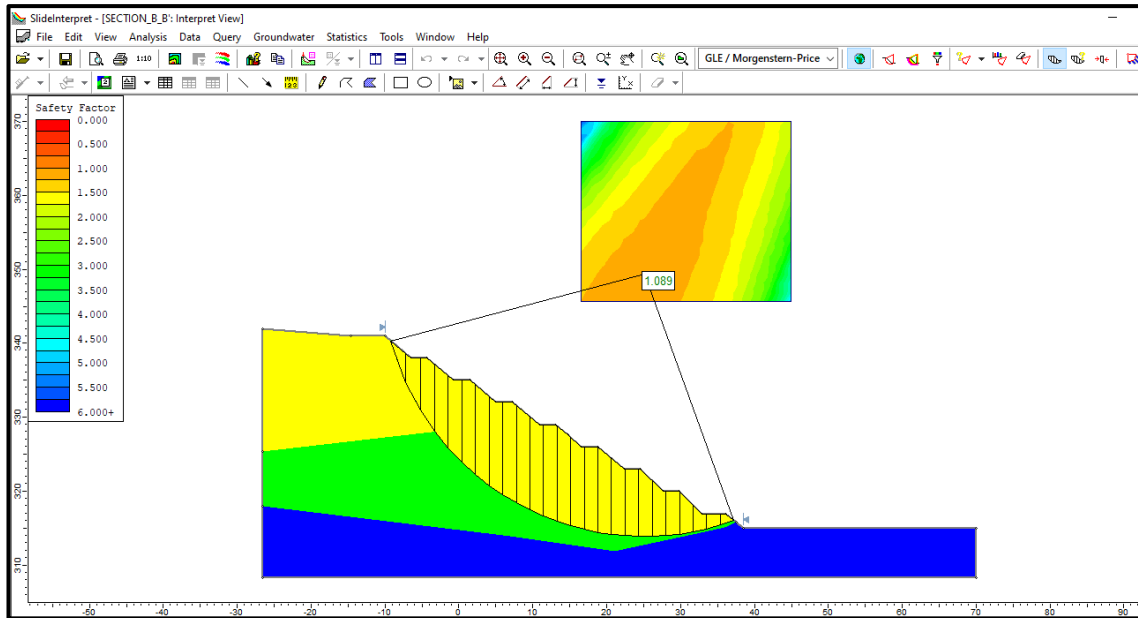
Penampang B-B' 36°



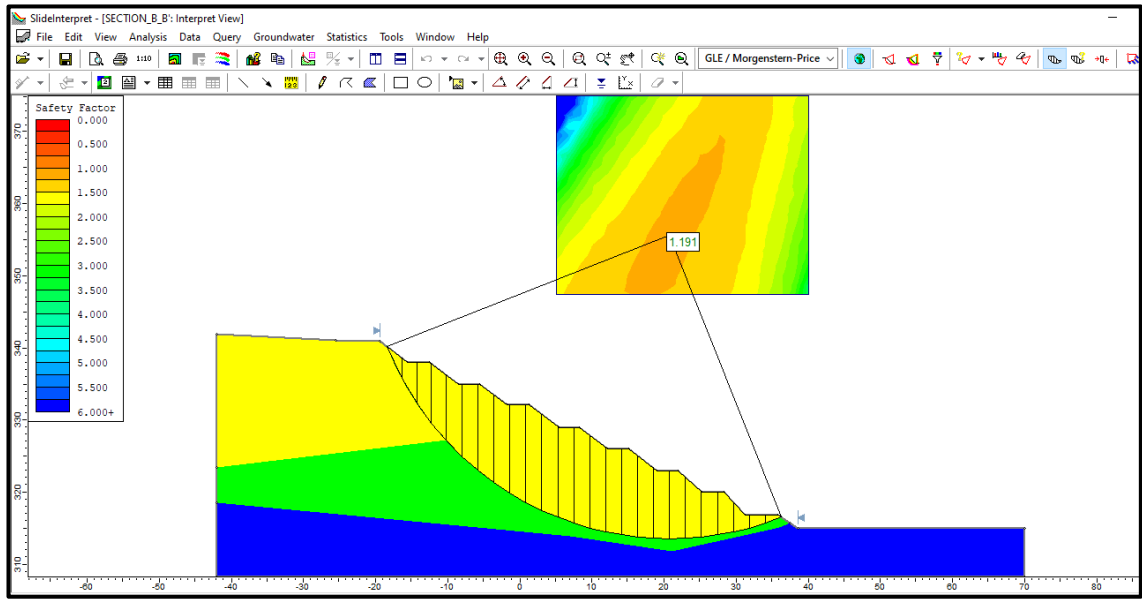
Penampang B-B' 32°



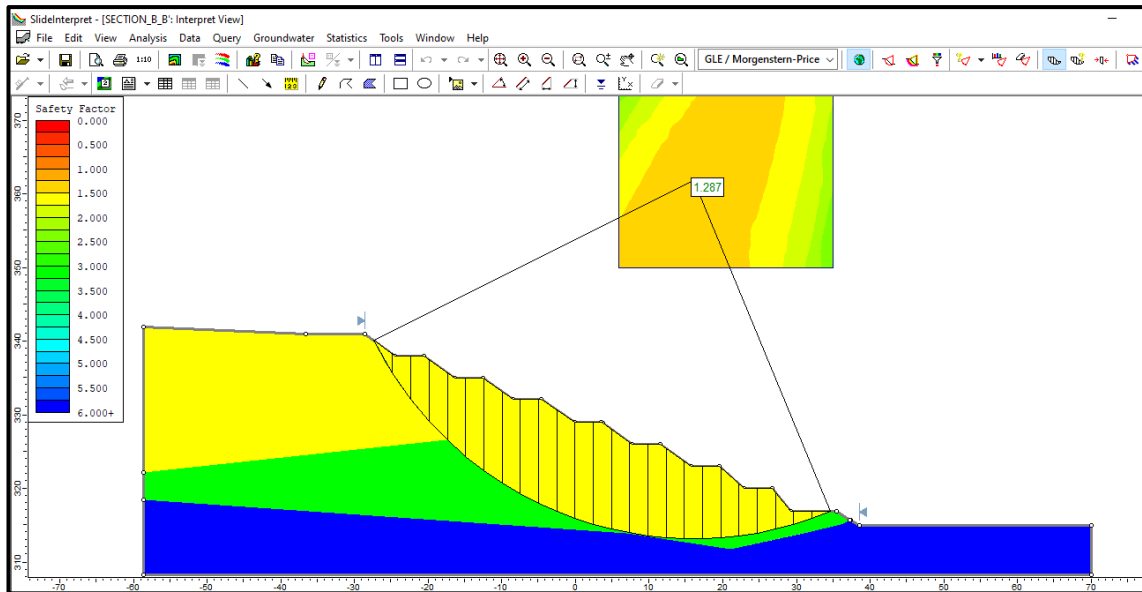
Penampang B-B' 28°



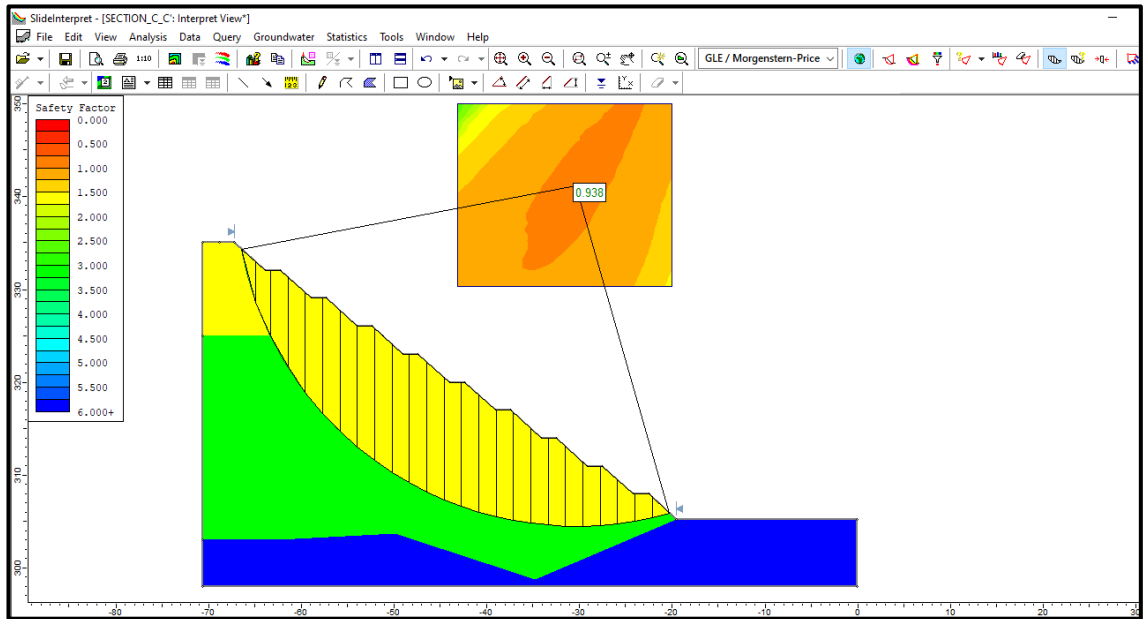
Penampang B-B' 24°



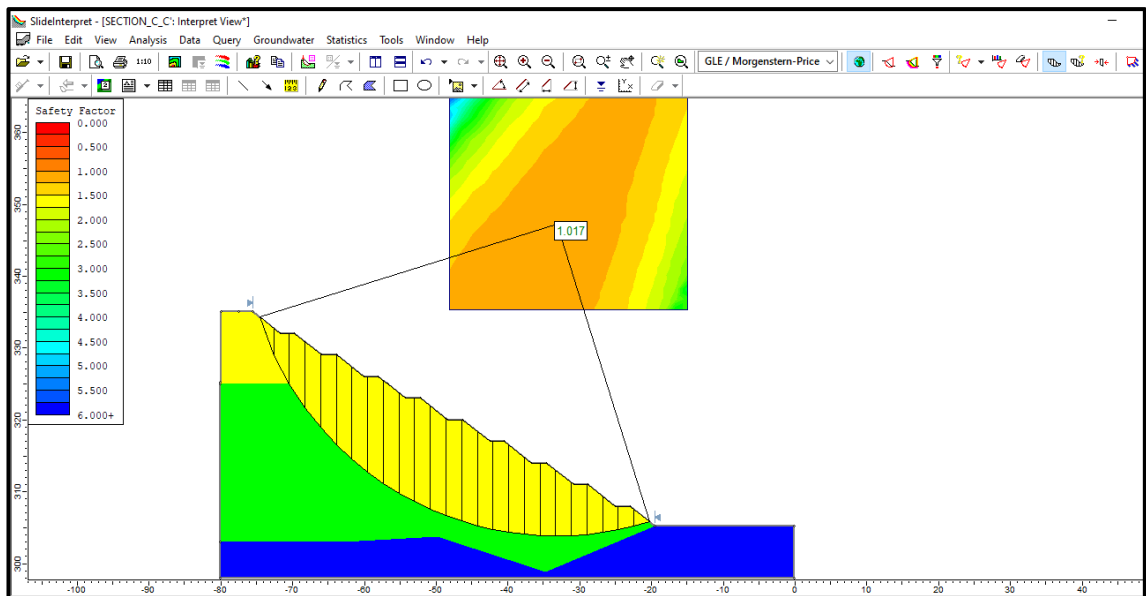
Penampang B-B' 21° (AMAN)



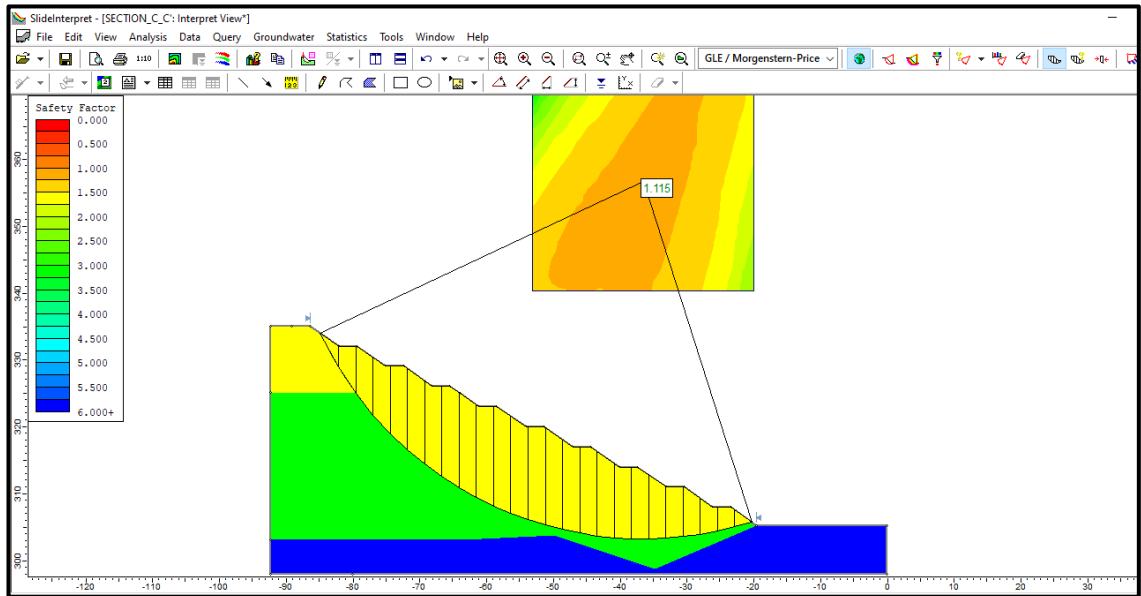
Penampang C-C' 32°



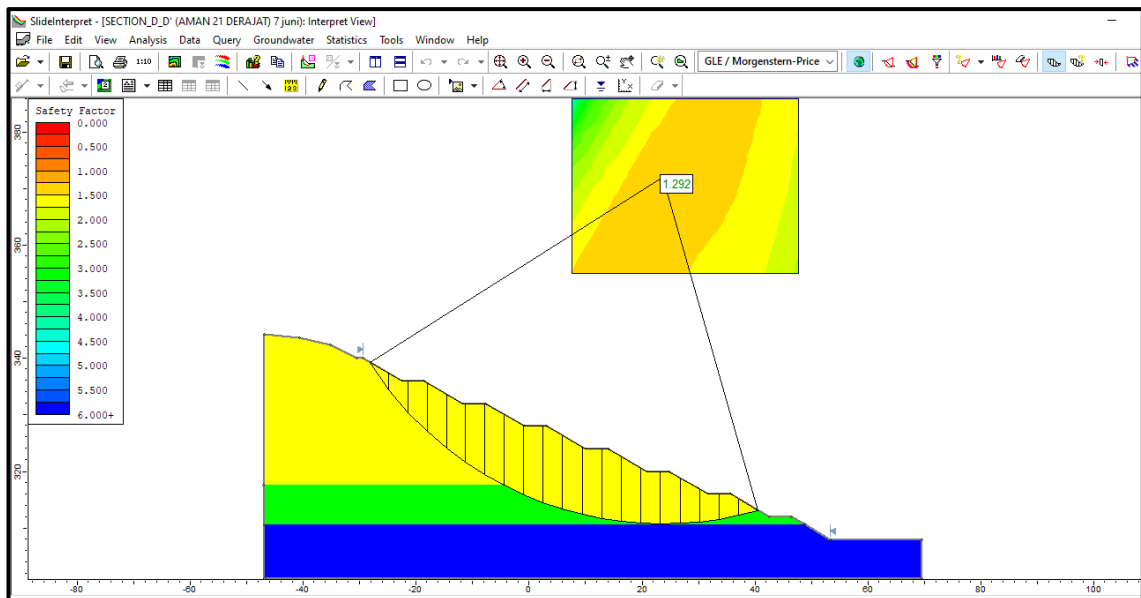
Penampang C-C' 28°



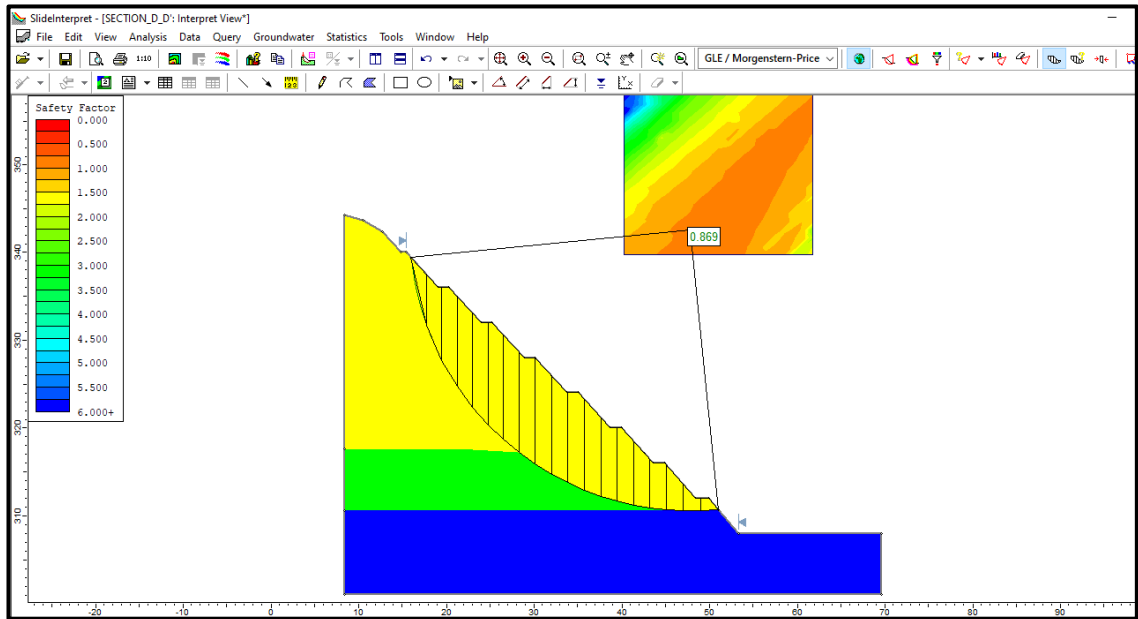
Penampang C-C' 24°



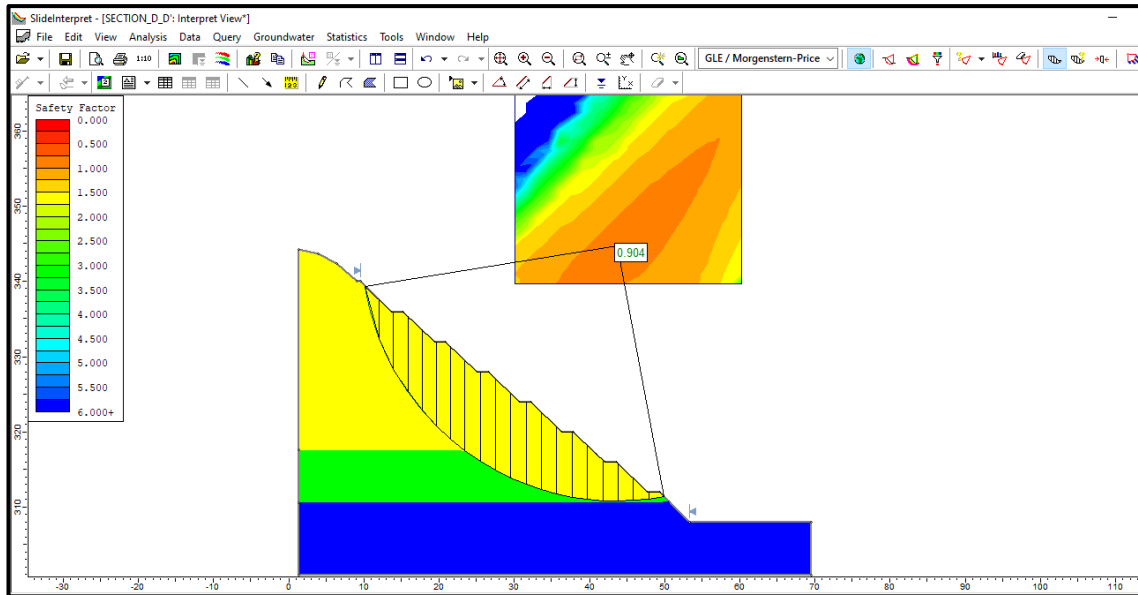
Penampang C-C' 21° (AMAN)



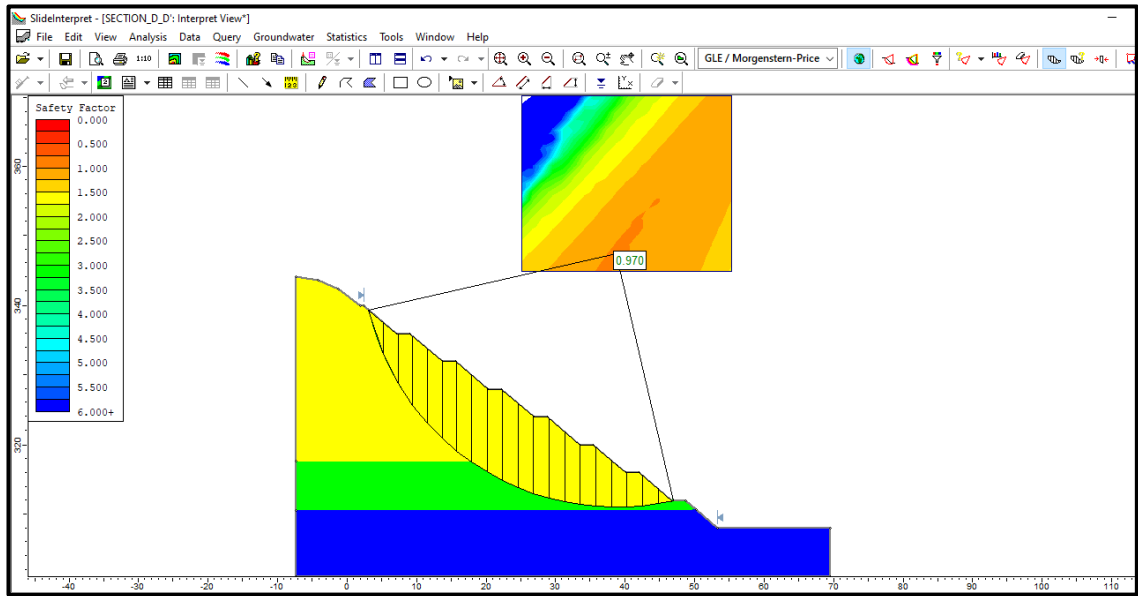
Penampang D-D' 40°



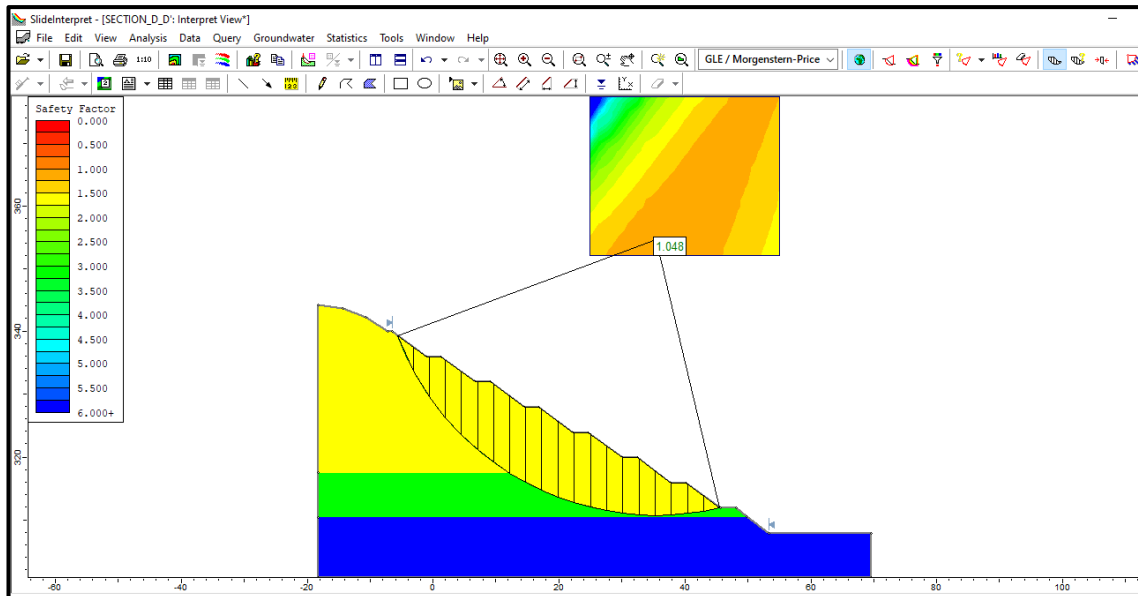
Penampang D-D' 36°



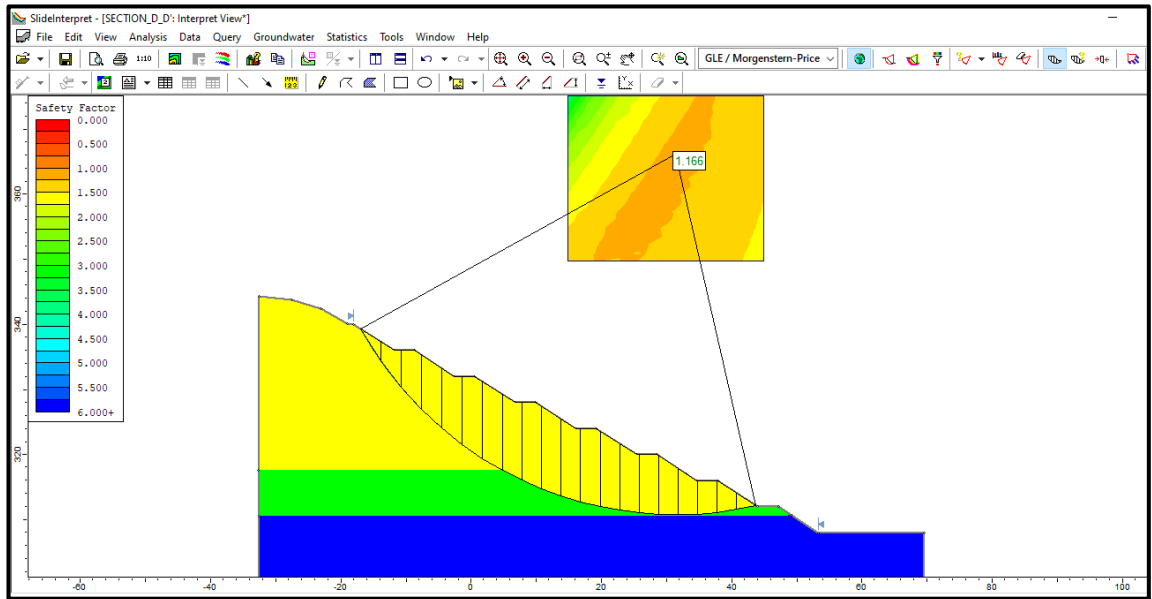
Penampang D-D' 32°



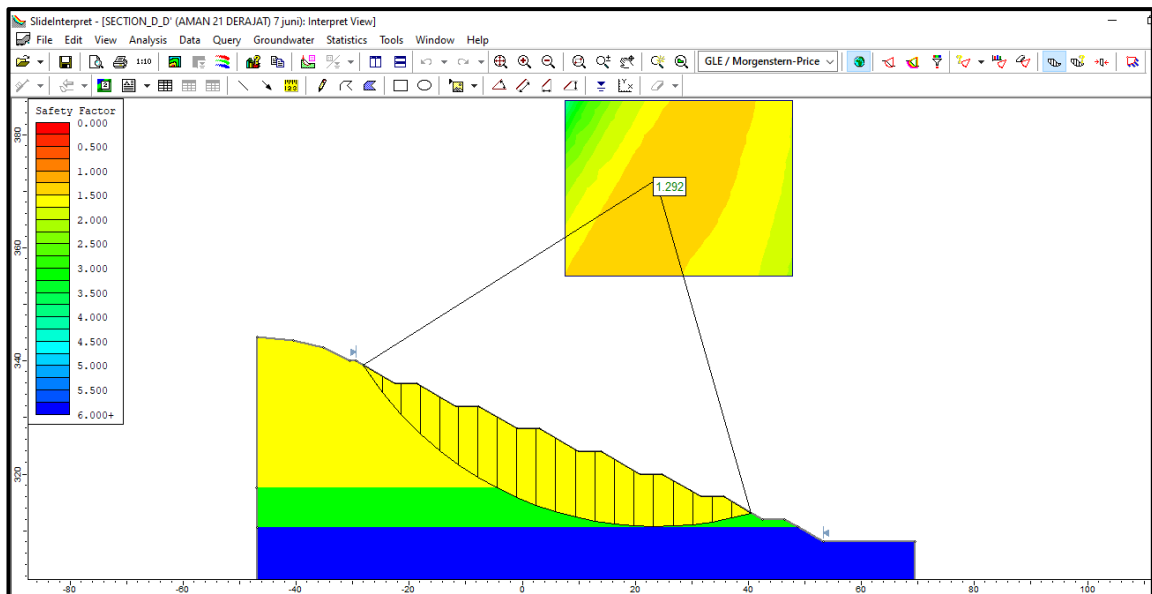
Penampang D-D' 28°



Penampang D-D' 24°



Penampang D-D' 21° (AMAN)



LAMPIRAN D
KARTU KONSULTASI TUGAS AKHIR

Lampiran B 10




Kartu Konsultasi Tugas Akhir

PARAF
DOSEN

JUDUL:

(Konsultasi minimal 8 kali)

| TANGGAL | MATERI KONSULTASI | PARAF DOSEN |
|------------|---|----------------|
| 09/11/2021 | Konsultasi diagram alir penelitian | فخر |
| 03/12/2021 | Konsultasi diagram alir penelitian | |
| 10/01/2022 | Bab I, Bab II - Format penulisan - Rumusan masalah | فخر |
| 22/02/2022 | Bab I, Bab II - Latar belakang - Rumusan masalah - Tahapan kegiatan penelitian - Peta lokasi - format penulisan | |
| 14/03/2022 | Bab I - Perbaikan penulisan - Perbaikan indeks peta - Tambahkan pengelahan dan analisis data | فخر |
| 5/04/2022 | Bab I, II - Perbaikan penulisan judul gambar. - Rumus → Rock slope engineering | فخر |
| 31/05/2022 | - Perbaiki Perbaiki bab III - Data us dikumpulkan pindaian kebab 3 - Legenda gambar lereng - Geometri lereng tunggal - Perbaiki Desain lereng | فخر |

| TANGGAL | MATERI KONSULTASI | PARAF DOSEN |
|------------|--|---|
| 6/06/2022 | <ul style="list-style-type: none"> - Perbaiki Format Penulisan - Perbaiki tabel |  |
| 17/06/2022 | <ul style="list-style-type: none"> - Penambahan tabel rekapitulasi geometri laeng dan nilai Faktor Kesmanan |  |
| 27/06/2022 | <ul style="list-style-type: none"> - Kelengkapan berkas - Artikel - Poster |  |

Catatan: Laporan konsultasi asli diampirkan pada satu deklemper proposal