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LAMPPIRAN

Rata-rata kadar Fe Pada Lapisan Limonit

| Hole Id | Fe Total | Hole Id | Fe Total | Hole Id | Fe Total |
|---------|----------|---------|----------|---------|----------|
| BT-277R | 47.55 | BT-310 | 48.46 | BT-218 | 48.39 |
| BT-279 | 47.18 | BT-311 | 50.33 | BT-233 | 9.93 |
| BT-291 | 47.21 | BT-319 | 40.95 | BT-299 | 49.17 |
| BT-293 | 49.29 | BT-217 | 47.67 | BT-307R | 50.06 |
| BT-300 | 50.49 | BT-270 | 48.41 | BT-232R | 48.42 |
| BT-303 | 51.34 | BT-284 | 49.42 | BT-234 | 48.40 |
| BT-308 | 49.46 | BT-298 | 49.31 | BT-286 | 47.95 |
| BT-312 | 49.10 | BT-199 | 50.78 | BT-287 | 47.14 |
| BT-317 | 48.89 | BT-216 | 50.40 | BT-288 | 47.90 |
| BT-318 | 48.85 | BT-272 | 49.13 | BT-289 | 49.64 |
| BT-325 | 49.26 | BT-274 | 48.18 | BT-231 | 44.58 |
| BT-326 | 49.63 | BT-292 | 52.36 | BT-285 | 49.22 |
| BT-327 | 48.47 | BT-301 | 49.21 | BT-259 | 47.03 |
| BT-334 | 50.33 | BT-309 | 48.49 | BT-260 | 49.40 |
| BT-335 | 49.44 | BT-200 | 50.86 | BT-213 | 48.47 |
| BT-341 | 48.93 | BT-201 | 48.73 | BT-214 | 43.69 |
| BT-342 | 49.20 | BT-275 | 49.22 | BT-215 | 48.11 |
| BT-343 | 49.39 | BT-175 | 50.19 | BT-269 | 50.90 |
| BT-344 | 50.02 | BT-186 | 48.25 | BT-271 | 50.16 |
| BT-345 | 52.24 | BT-202 | 48.10 | BT-163 | 49.73 |
| BT-348 | 49.60 | BT-302 | 49.28 | BT-230 | 48.47 |
| BT-349 | 51.64 | BT-347 | 48.90 | BT-273 | 48.30 |
| BT-350 | 49.32 | BT-351 | 48.76 | BT-283 | 50.60 |
| BT-352 | 48.47 | BT-187 | 45.83 | BT-169 | 47.65 |
| BT-295 | 50.97 | BT-276 | 49.48 | BT-176 | 45.78 |
| BT-264 | 48.84 | BT-278 | 49.65 | BT-261R | 50.32 |
| BT-265 | 46.29 | BT-280 | 48.87 | BT-281 | 49.90 |
| BT-294 | 50.52 | BT-332 | 50.11 | BT-282 | 51.99 |
| BT-323 | 48.82 | BT-339 | 49.95 | BT-331R | 50.14 |
| BT-333 | 49.26 | BT-340 | 50.89 | BT-156R | 41.68 |
| BT-247 | 35.38 | BT-346 | 50.87 | BT-159 | 40.52 |
| BT-248 | 38.58 | BT-168 | 44.88 | BT-241 | 50.89 |
| BT-249 | 49.68 | BT-263 | 50.23 | BT-242 | 47.81 |
| BT-219 | 49.77 | BT-306 | 56.27 | BT-266 | 48.07 |
| BT-235 | 49.91 | BT-314 | 47.51 | BT-267 | 50.17 |
| BT-290 | 48.46 | BT-315 | 49.87 | BT-330 | 50.16 |
| BT-250 | 48.10 | BT-316 | 49.39 | BT-152 | 42.52 |
| BT-251 | 49.09 | BT-322 | 48.39 | BT-153 | 4.57 |
| BT-206 | 47.56 | BT-190 | 43.71 | BT-223R | 48.65 |

| Hole Id | Fe Total | Hole Id | Fe Total |
|----------------|-----------------|----------------|-----------------|
| BT-155 | 43.28 | BT-238RRR | 47.11 |
| BT-243 | 47.59 | BT-253 | 48.42 |
| BT-262 | 51.34 | BT-256 | 49.86 |
| BT-160 | 46.77 | BT-189R | 50.39 |
| BT-164RR | 50.21 | BT-179R | 50.93 |
| BT-257 | 49.31 | BT-191 | 48.73 |
| BT-158 | 42.04 | BT-239 | 49.61 |
| BT-246 | 41.57 | BT-170 | 50.86 |
| BT-151 | 43.31 | BT-171 | 50.72 |
| BT-161 | 34.90 | BT-177 | 50.77 |
| BT-157 | 41.72 | BT-178 | 51.02 |
| BT-162 | 40.19 | BT-180 | 50.28 |
| BT-167 | 49.03 | BT-208 | 49.16 |
| BT-174 | 45.83 | BT-224 | 49.56 |
| BT-198 | 47.73 | BT-225 | 49.28 |
| BT-321 | 48.83 | BT-188 | 50.72 |
| BT-184R | 49.52 | BT-205 | 50.25 |
| BT-197 | 48.09 | BT-221 | 50.90 |
| BT-166 | 47.19 | BT-222 | 48.65 |
| BT-172 | 43.45 | BT-237 | 51.25 |
| BT-181 | 45.00 | BT-255 | 49.10 |
| BT-182 | 46.53 | BT-268 | 46.48 |
| BT-196 | 47.90 | BT-203R | 46.73 |
| BT-211 | 47.22 | BT-204 | 50.46 |
| BT-212 | 46.87 | BT-220 | 49.16 |
| BT-183R | 45.89 | BT-154 | 38.75 |
| BT-185 | 48.50 | BT-324 | 49.11 |
| BT-194 | 46.78 | BT-304R | 51.12 |
| BT-227 | 47.18 | BT-244 | 49.09 |
| BT-228 | 49.65 | BT-245 | 49.41 |
| BT-173 | 48.60 | BT-254 | 43.89 |
| BT-195 | 41.25 | BT-207 | 50.40 |
| BT-229 | 49.62 | BT-240 | 50.46 |

Rata-rata kadar Fe pada Lapisan Saprolit

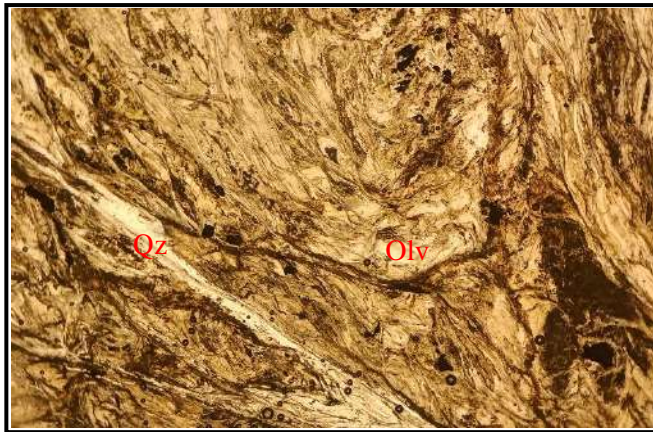
| Hole Id | Fe Total | Hole Id | Fe Total | Hole Id | Fe Total |
|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| BT-277R | 24.07 | BT-304R | 34.56 | BT-307R | 12.33 |
| BT-279 | 15.03 | BT-310 | 11.08 | BT-232R | 18.68 |
| BT-291 | 24.93 | BT-311 | 8.37 | BT-234 | 30.93 |
| BT-293 | 19.55 | BT-319 | 22.92 | BT-286 | 45.71 |
| BT-300 | 17.23 | BT-217 | 34.74 | BT-287 | 26.03 |
| BT-303 | 20.50 | BT-298 | 17.95 | BT-288 | 20.27 |
| BT-308 | 43.85 | BT-199 | 24.71 | BT-289 | 15.54 |
| BT-312 | 39.73 | BT-216 | 31.19 | BT-231 | 26.12 |
| BT-317 | 12.27 | BT-272 | 38.28 | BT-285 | 43.46 |
| BT-318 | 17.75 | BT-274 | 34.16 | BT-260 | 36.96 |
| BT-325 | 13.79 | BT-292 | 37.04 | BT-213 | 39.64 |
| BT-326 | 19.30 | BT-301 | 14.24 | BT-214 | 14.14 |
| BT-327 | 34.36 | BT-309 | 22.00 | BT-271 | 35.95 |
| BT-334 | 36.27 | BT-200 | 41.26 | BT-163 | 18.91 |
| BT-335 | 42.32 | BT-201 | 9.68 | BT-230 | 39.15 |
| BT-341 | 26.88 | BT-275 | 31.63 | BT-273 | 34.77 |
| BT-342 | 12.44 | BT-175 | 12.06 | BT-283 | 36.92 |
| BT-343 | 17.12 | BT-186 | 12.76 | BT-169 | 17.13 |
| BT-344 | 24.62 | BT-202 | 25.43 | BT-176 | 9.61 |
| BT-345 | 29.24 | BT-302 | 24.02 | BT-282 | 39.19 |
| BT-348 | 46.31 | BT-347 | 11.13 | BT-331R | 25.03 |
| BT-349 | 21.60 | BT-351 | 21.92 | BT-156R | 24.65 |
| BT-350 | 17.54 | BT-187 | 26.82 | BT-159 | 30.13 |
| BT-352 | 31.98 | BT-276 | 22.10 | BT-242 | 40.92 |
| BT-295 | 37.76 | BT-278 | 26.34 | BT-266 | 38.57 |
| BT-264 | 33.92 | BT-280 | 32.09 | BT-267 | 21.06 |
| BT-265 | 30.24 | BT-332 | 41.80 | BT-330 | 33.61 |
| BT-294 | 35.85 | BT-339 | 19.08 | BT-152 | 23.94 |
| BT-323 | 27.22 | BT-340 | 24.30 | BT-153 | 46.35 |
| BT-247 | 17.90 | BT-346 | 18.39 | BT-154 | 26.17 |
| BT-248 | 27.70 | BT-168 | 18.01 | BT-155 | 15.94 |
| BT-249 | 24.15 | BT-263 | 14.41 | BT-243 | 38.11 |
| BT-219 | 13.10 | BT-314 | 31.47 | BT-262 | 15.68 |
| BT-235 | 8.36 | BT-315 | 37.56 | BT-160 | 22.06 |
| BT-290 | 47.01 | BT-316 | 16.88 | BT-164RR | 29.21 |
| BT-250 | 41.62 | BT-322 | 38.07 | BT-257 | 17.07 |
| BT-251 | 40.82 | BT-324 | 41.66 | BT-158 | 8.00 |

| Hole Id | Fe Total | Hole Id | Fe Total |
|----------------|-----------------|----------------|-----------------|
| BT-161 | 28.36 | BT-233 | 23.86 |
| BT-157 | 19.52 | BT-177 | 35.77 |
| BT-162 | 18.39 | BT-178 | 40.68 |
| BT-167 | 22.45 | BT-180 | 42.39 |
| BT-174 | 32.69 | BT-208 | 12.86 |
| BT-198 | 46.19 | BT-224 | 9.65 |
| BT-321 | 29.58 | BT-225 | 37.68 |
| BT-184R | 29.41 | BT-188 | 15.83 |
| BT-197 | 33.87 | BT-205 | 13.48 |
| BT-166 | 12.73 | BT-221 | 16.82 |
| BT-172 | 24.71 | BT-222 | 10.01 |
| BT-181 | 17.20 | BT-237 | 14.34 |
| BT-196 | 37.64 | BT-255 | 23.45 |
| BT-211 | 41.96 | BT-268 | 13.60 |
| BT-212 | 25.12 | BT-203R | 21.08 |
| BT-183R | 26.35 | BT-204 | 21.93 |
| BT-185 | 35.76 | BT-220 | 17.16 |
| BT-194 | 25.26 | BT-218 | 41.16 |
| BT-227 | 34.91 | BT-246 | 7.12 |
| BT-228 | 43.28 | BT-151 | 29.43 |
| BT-173 | 31.20 | BT-171 | 14.31 |
| BT-195 | 22.07 | BT-170 | 19.19 |
| BT-229 | 35.44 | | |
| BT-240 | 32.60 | | |
| BT-244 | 7.79 | | |
| BT-245 | 44.48 | | |
| BT-254 | 27.10 | | |
| BT-207 | 33.77 | | |
| BT-223R | 9.94 | | |
| BT-190 | 13.17 | | |
| BT-206 | 28.36 | | |
| BT-238RRR | 18.61 | | |
| BT-253 | 19.70 | | |
| BT-256 | 23.92 | | |
| BT-189R | 30.61 | | |
| BT-179R | 11.79 | | |
| BT-239 | 31.82 | | |

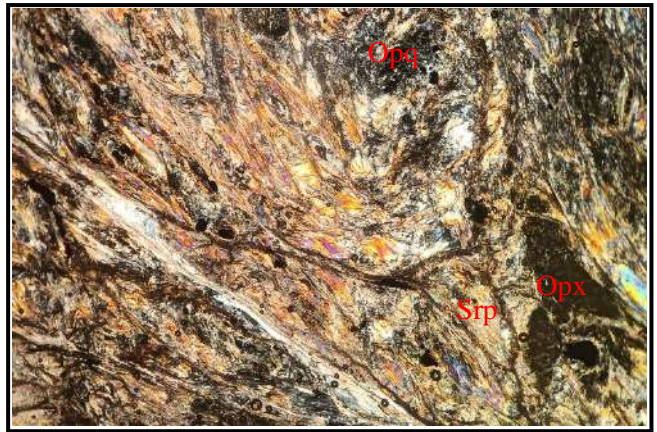
No. Sayatan : BT/ST223R/PT
 Lokasi : Daerah Bintangor

Satuan Peridotit

Foto



// - Nikol



X - Nikol

Lensa Okuler : 10x

Lensa Objektif : 5x

Perbesaran Total : 50x

Tipe Batuan : Batuan beku ultrabasa

Tipe Stuktur : Masif

Mikroskopis : Kenampakan mikroskopis batuan ini memperlihatkan warna absorpsi abu-abu kecoklatan, warna interferensi berwarna abu-abu kehitaman, tekstur khusus vein dan veinlet, bentuk subhedral-anhedral, relasi inequigranular dengan ukuran mineral 0,025 – 5 mm. Adapun mineral penyusun batuan yaitu olivin, serpentin, orthopiroksin, kuarsa dan mineral opa. q.

Deskripsi Mineralogi

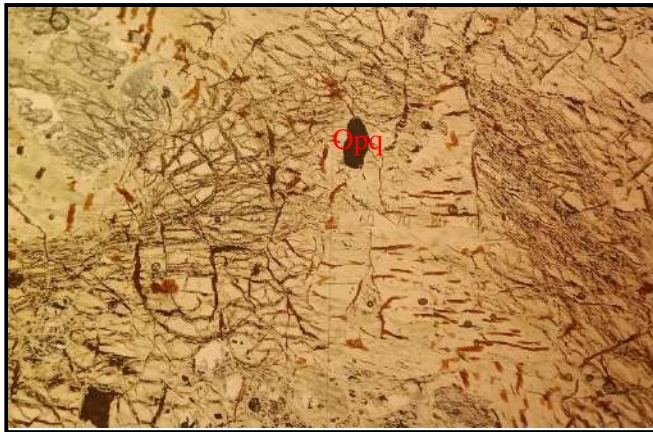
| Komposisi Mineral | Jumlah (%) | Keterangan Optik Mineral |
|---------------------|------------|--|
| Olivin (Olv) | 35% | Warna absorpsi <i>colourless</i> /tidak berwarna, warna interferensi jingga kebiruan – kuning keunguan, relief sedang, intensitas cahaya sedang, tidak memiliki belahan, tidak ada pleokroisme, bentuk mineral subhedral – anhedral, ukuran 0,05-1,2 mm. |
| Kuarsa (Qz) | 15% | Warna absorpsi transparan/ <i>colourless</i> , warna interferensi putih keabu-abuan. Memiliki relief rendah, bentuk mineral anhedral – subhedral, intensitas tinggi, tidak memiliki belahan, tidak memiliki kembaran, ukuran 0,025 – 5 mm, sudut gelapan 3 ⁰ , jenis gelapan paralel. |
| Orthopiroksin (Opx) | 15% | Warna absorpsi coklat, warna interferensi coklat kehitaman, relief tinggi, intensitas cahaya sedang, belahan satu arah, tidak ada pleokroisme, pecahan tidak rata, bentuk mineral subhedral – anhedral, ukuran mineral 0,15 mm – 3 mm, sudut gelapan 4 ⁰ , jenis gelapan paralel. |
| Opaq (Opq) | 5% | Warna absorpsi hitam dan warna interferensi hitam. Berbentuk subhedral-anhedral dengan ukuran 0,025 – 0,02 dan memiliki relief yang tinggi. |
| Massa Dasar | 30% | Warna absorpsi coklat dan warna interferensi abu-abu kehitaman. Adapun bentuknya anhedral. |

Nama Batuan : Harzburgite (Streckeisen, 1976)

No. Sayatan : BT/ST232R/SP
 Lokasi : Daerah Bintangor

Satuan Serpentin

Foto



// - Nikol



X - Nikol

Lensa Okuler : 10x

Lensa Objektif : 5x

Perbesaran Total : 50x

Type Batuan : Batuan Metamorf

Type Stuktur : Masif

Mikroskopis : Kenampakan mikroskopis batuan ini memperlihatkan warna absorpsi coklat, warna interferensi berwarna abu-abu kehitaman, tekstur khusus mesh dan vein. Bentuk subhedral-anhedral, relasi inequigranular dengan ukuran mineral 0,02 – 2 mm. Adapun mineral penyusun batuan yaitu kuarsa, serpentin, dan mineral opak.

Deskripsi Mineralogi

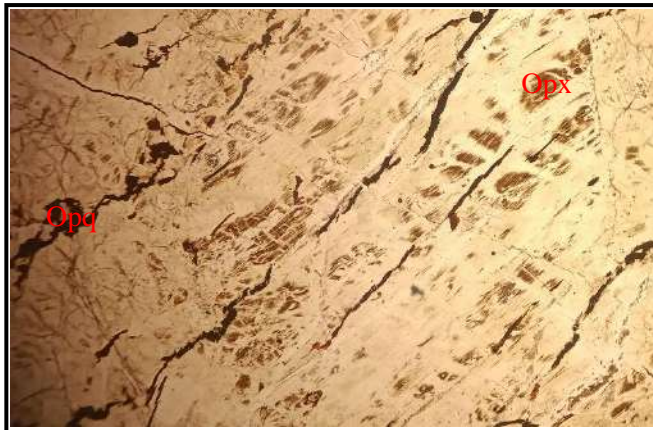
| Komposisi Mineral | Jumlah (%) | Keterangan Optik Mineral |
|-------------------|------------|---|
| Kuarsa (Qz) | 10% | Warna absorpsi transparan/ <i>colourless</i> , warna interferensi putih keabu-abuan. Memiliki relief rendah, bentuk mineral anhedral – subhedral, intensitas tinggi, tidak memiliki belahan, tidak memiliki kembaran, ukuran 0,2 – 2 mm, sudut gelapan 2^0 , jenis gelapan paralel. |
| Serpentin (Srp) | 65% | Warna absorpsi transparan/ <i>colourless</i> , warna interferensi abu-abu, pleokrisme monokroik, relief sedang, intensitas sedang, bentuk subhedral-anhedral, belahan tidak ada, pecahan tidak rata, sudut gelapan 22^0 , jenis gelapan miring |
| Opak (Opq) | 5% | Warna absorpsi hitam dan warna interferensi hitam. Berbentuk subhedral-anhedral dengan ukuran 0,02 – 0,5 mm dan memiliki relief yang tinggi. |
| Massa Dasar | 20% | Warna absorpsi coklat dan warna interferensi abu-abu. Adapun bentuknya anhedral. |

Nama Batuan : Serpentin (Streckeisen, 1976)

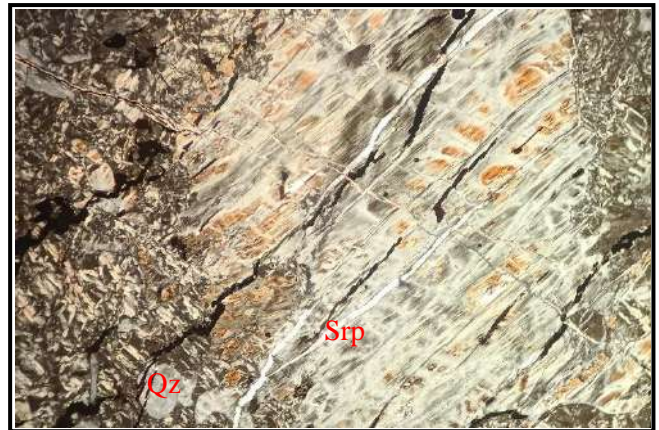
No. Sayatan : BT/ST171/PT
 Lokasi : Daerah Bintangor

Satuan Peridotit

Foto



// - Nikol



X - Nikol

Lensa Okuler : 10x

Lensa Objektif : 5x

Perbesaran Total : 50x

Tipe Batuan : Batuan beku ultrabasa

Tipe Stuktur : Masif

Mikroskopis : Kenampakan mikroskopis batuan ini memperlihatkan warna absorpsi abu-abu kecoklatan, warna interferensi berwarna abu-abu kehitaman, tekstur khusus vein dan veinlet, bentuk subhedral-anhedral, relasi inequigranular dengan ukuran mineral 0,02 – 5 mm. Adapun mineral penyusun batuan yaitu serpentin, orthopiroksin, kuarsa dan mineral opa.

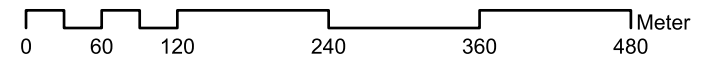
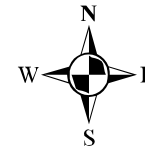
Deskripsi Mineralogi

| Komposisi Mineral | Jumlah (%) | Keterangan Optik Mineral |
|---------------------|------------|---|
| Serpentin (Srp) | 45% | Warna absorpsi transparan/ <i>colourless</i> , warna interferensi abu-abu, pleokrisme monokroik, relief sedang, intensitas sedang, bentuk subhedral-anhedral, belahan tidak ada, pecahan tidak rata, sudut gelapan 27°, jenis gelapan miring. |
| Orthopiroksin (Opx) | 15% | Warna absorpsi coklat, warna interferensi abu-abu kecoklatan, relief tinggi, intensitas cahaya sedang, belahan satu arah, tidak ada pleokroisme, pecahan tidak rata, bentuk mineral subhedral – anhedral, ukuran mineral 0,15 mm – 2 mm, sudut gelapan 3°, jenis gelapan paralel. |
| Kuarsa (Qz) | 10% | Warna absorpsi transparan/ <i>colourless</i> , warna interferensi abu-abu. Memiliki relief rendah, bentuk mineral anhedral – subhedral, intensitas tinggi, tidak memiliki belahan, tidak memiliki kembaran, ukuran 0,025 – 1 mm, sudut gelapan 3°, jenis gelapan paralel. |
| Opaq (Opq) | 10% | Warna absorpsi hitam dan warna interferensi hitam. Berbentuk subhedral-anhedral dengan ukuran 0,1 – 5 dan memiliki relief yang tinggi. |
| Massa Dasar | 20% | Warna absorpsi <i>colourless</i> dan warna interferensi abu-abu kehitaman. Adapun bentuknya anhedral. |

Nama Batuan : Harzburgite (Streckeisen, 1976)

PETA SEBARAN TITIK BOR

KECAMATAN PULAU SEBUKU, KABUPATEN KOTABARU,
PROVINSI KALIMANTAN SELATAN



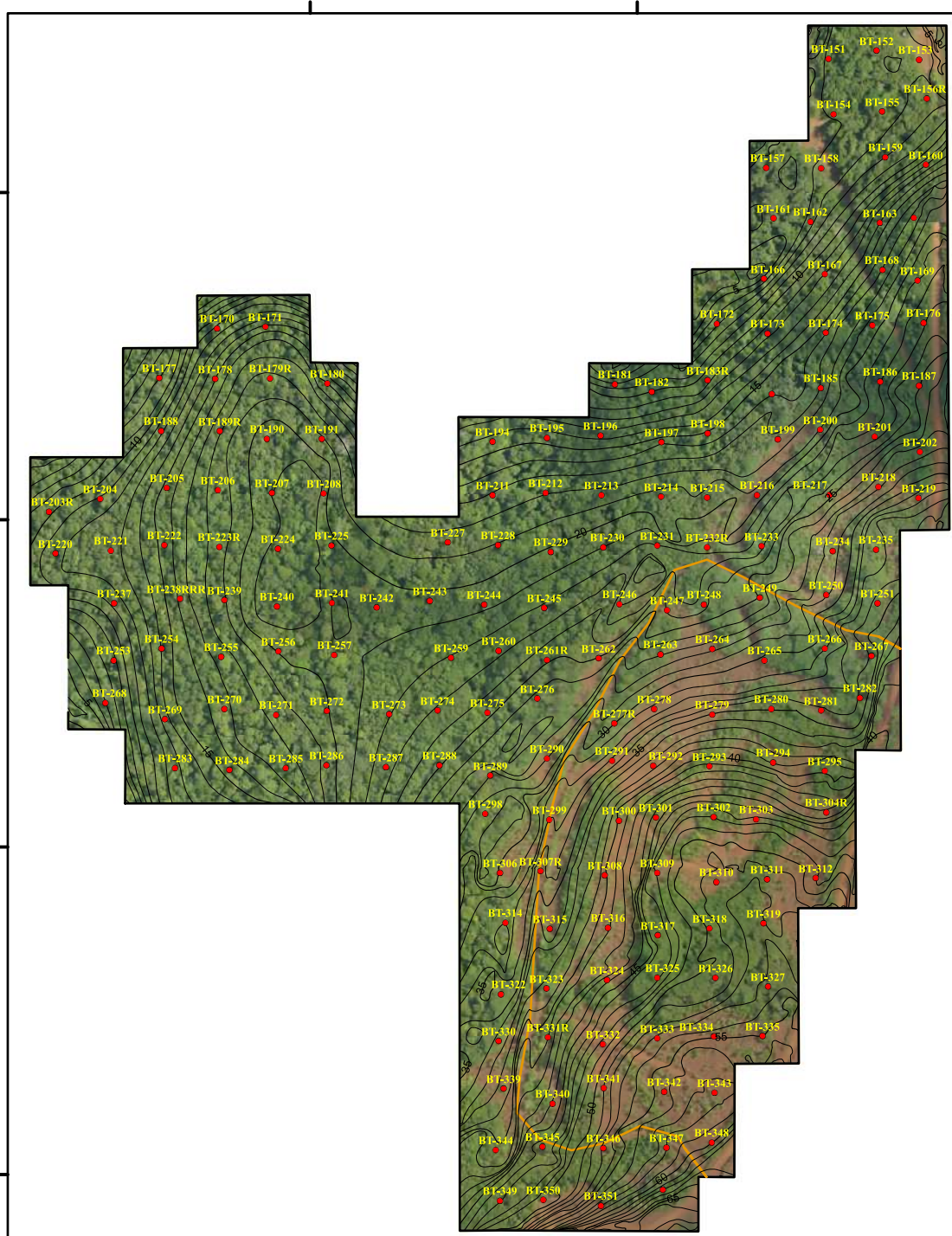
SKALA 1 : 6.000

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NURUL IKHSAN
D061181001

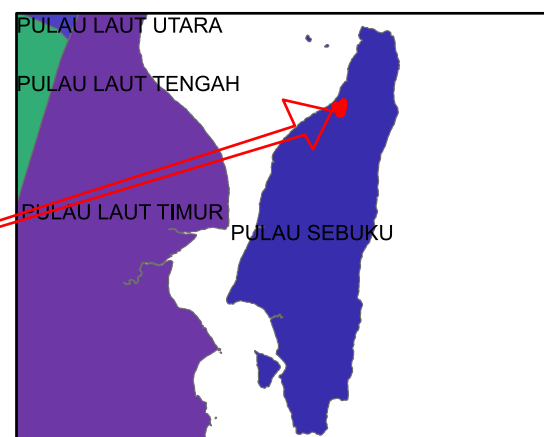
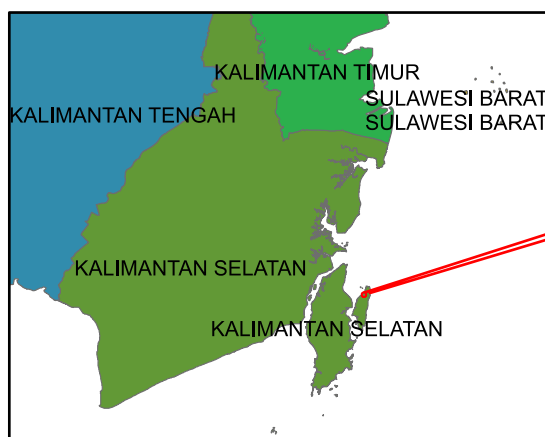
MAKASSAR
2023

Keterangan

-  Titik Bor
-  Kontur
-  Jalan
-  Batas Peta

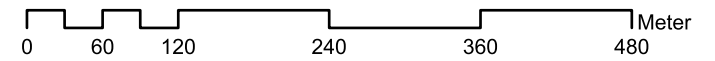
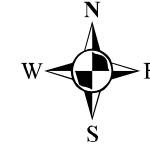


PETA TUNJUK LOKASI



**PETA SEBARAN BATUAN
PERIDOTIT DAN SERPENTINIT**

KECAMATAN PULAU SEBUKU, KABUPATEN KOTABARU,
PROVINSI KALIMANTAN SELATAN







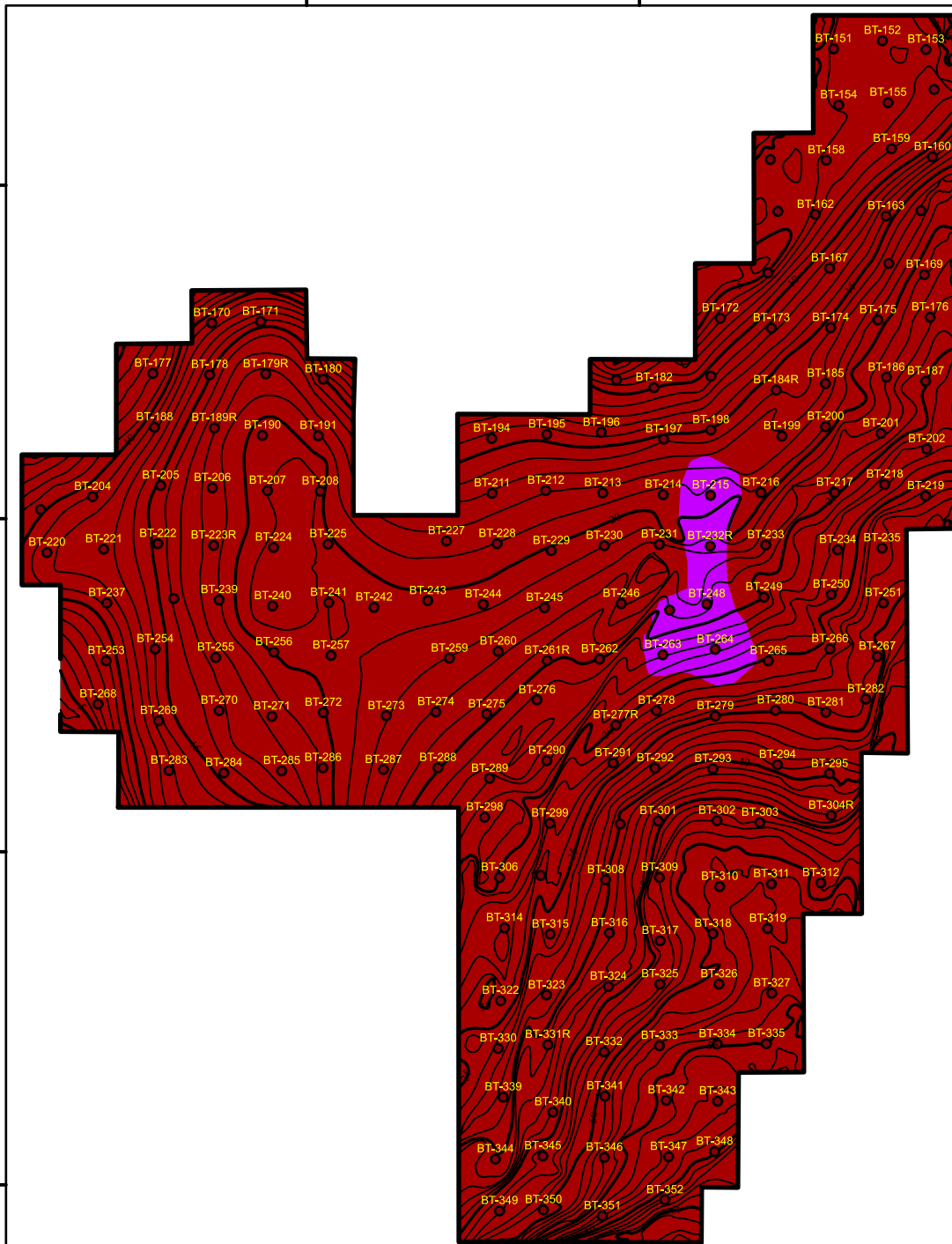
SKALA 1 : 6.000

OLEH
NURUL IKHSAN
D061181001

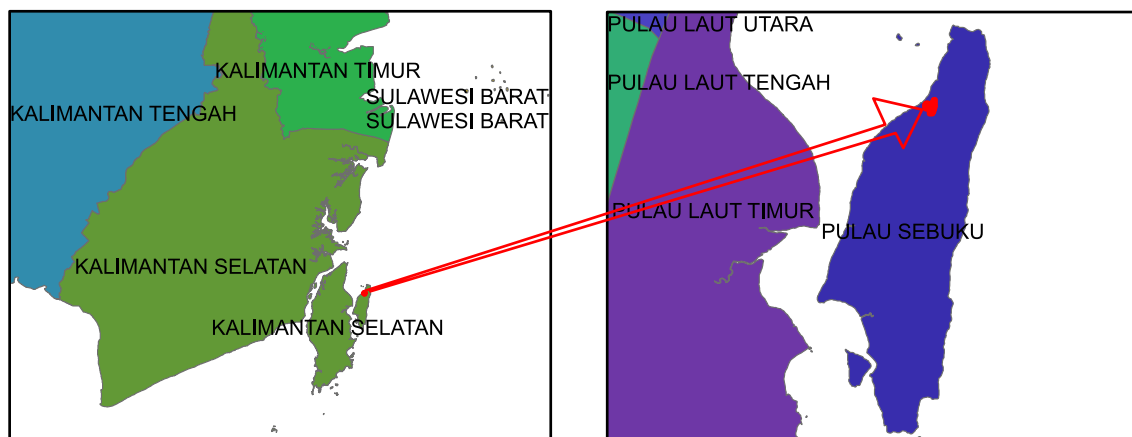
MAKASSAR
2023

Keterangan

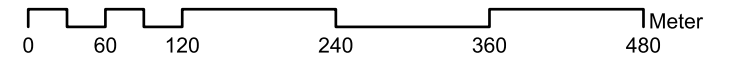
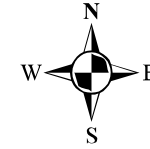
-  Satuan Serpentinit
-  Satuan Peridotit
-  Kontur
-  Batas Peta



PETA TUNJUK LOKASI



PETA DISTRIBUSI UNSUR Fe LAPISAN LIMONIT
KECAMATAN PULAU SEBUKU, KABUPATEN KOTABARU,
PROVINSI KALIMANTAN SELATAN









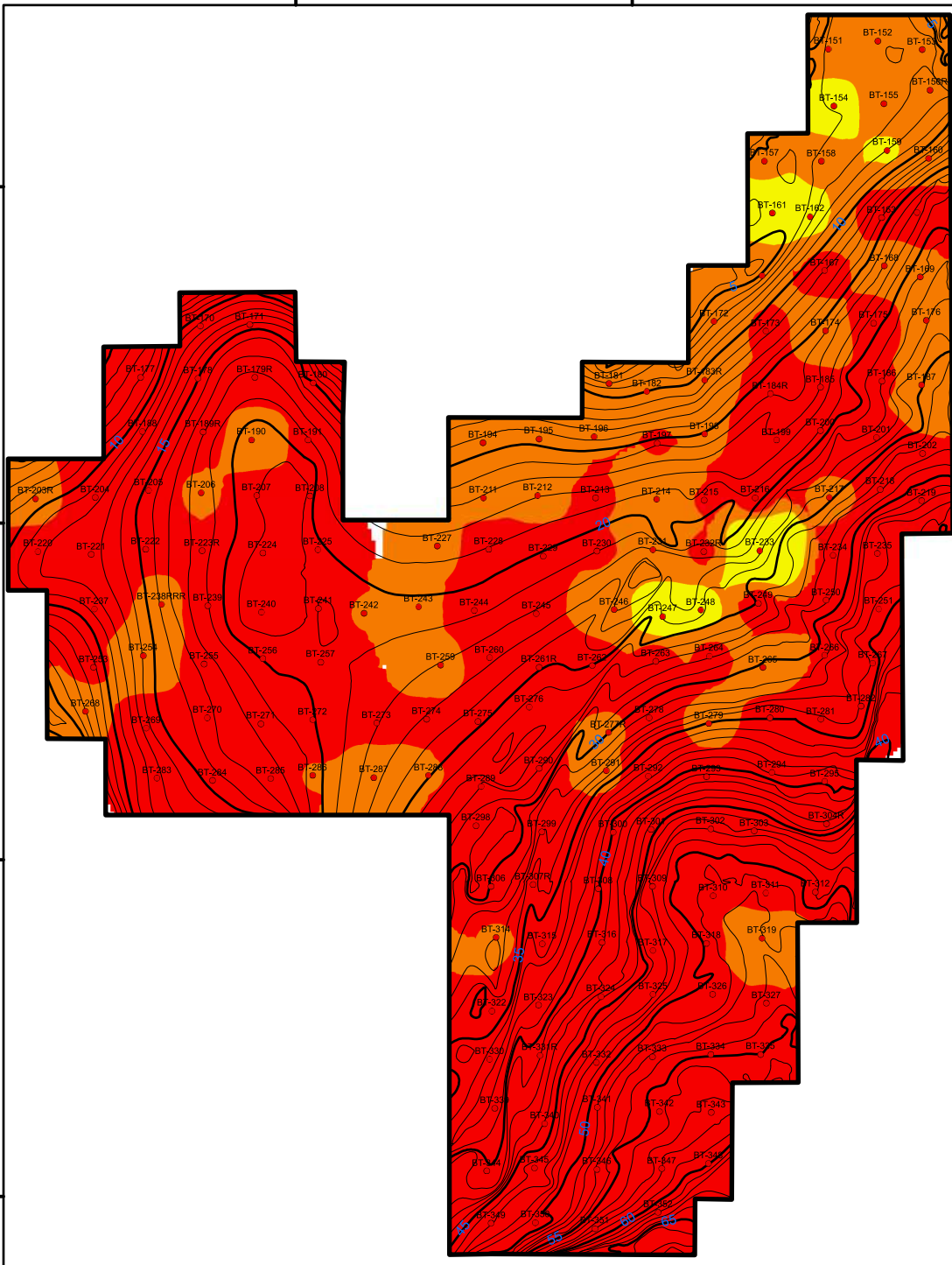
SKALA 1 : 6.000

OLEH
NURUL IKHSAN
D061181001

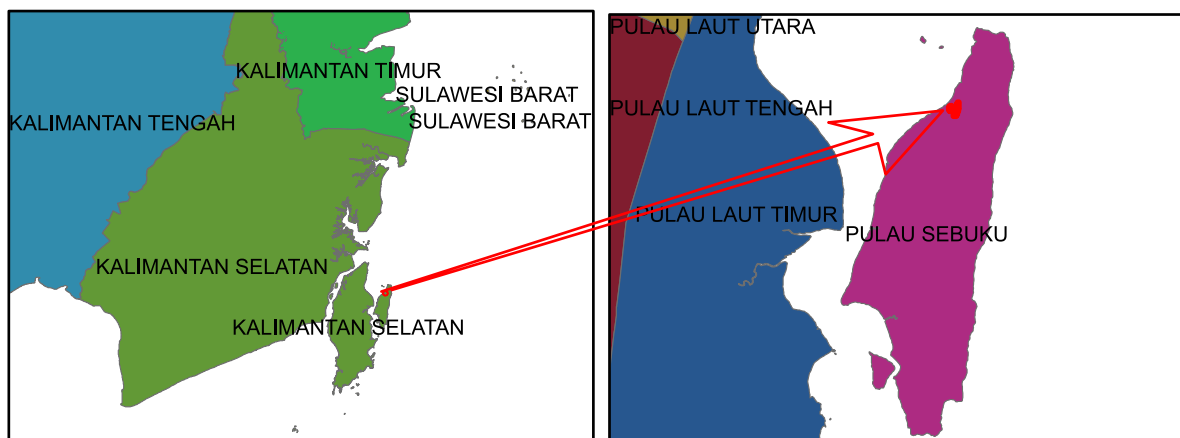
MAKASSAR
2023

Keterangan

-  Titik Bor
-  Kontur
-  Batas Peta
-  < 46% Kadar Fe
-  46% - 49% Kadar Fe
-  > 49% Kadar Fe

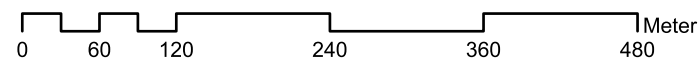


PETA TUNJUK LOKASI



PETA DISTRIBUSI UNSUR Fe LAPISAN SAPROLIT

KECAMATAN PULAU SEBUKU, KABUPATEN KOTABARU,
PROVINSI KALIMANTAN SELATAN

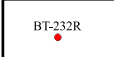






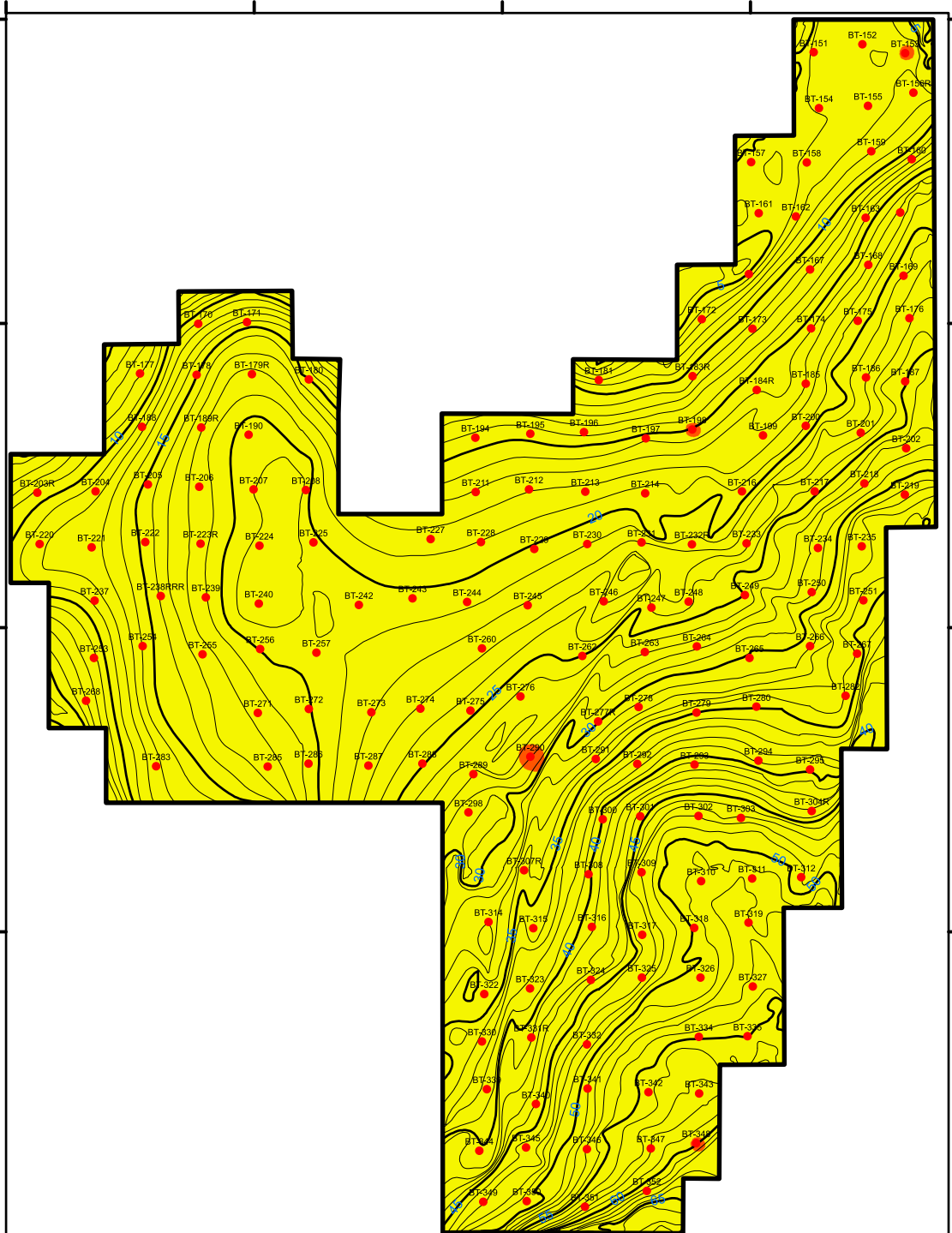
SKALA 1 : 6.000

OLEH
NURUL IKHSAN
D061181001

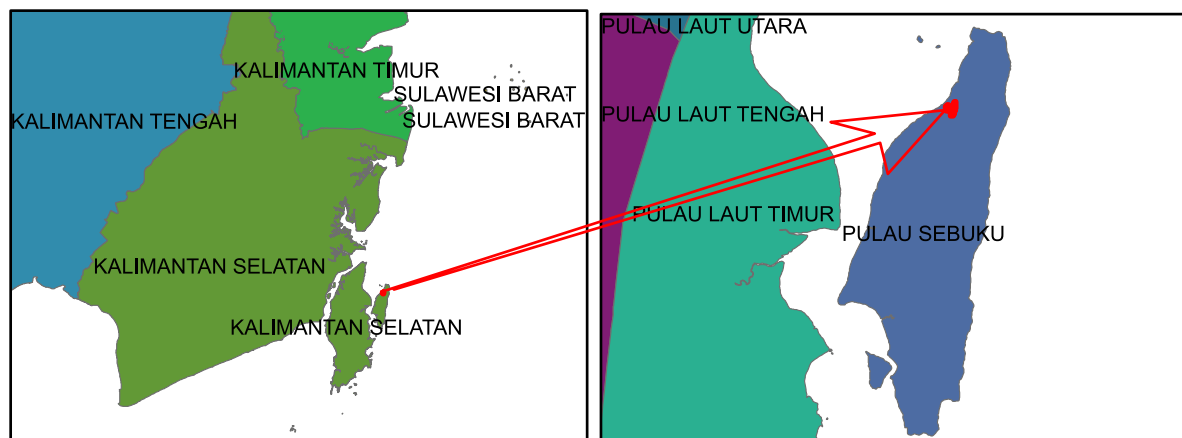
MAKASSAR
2023

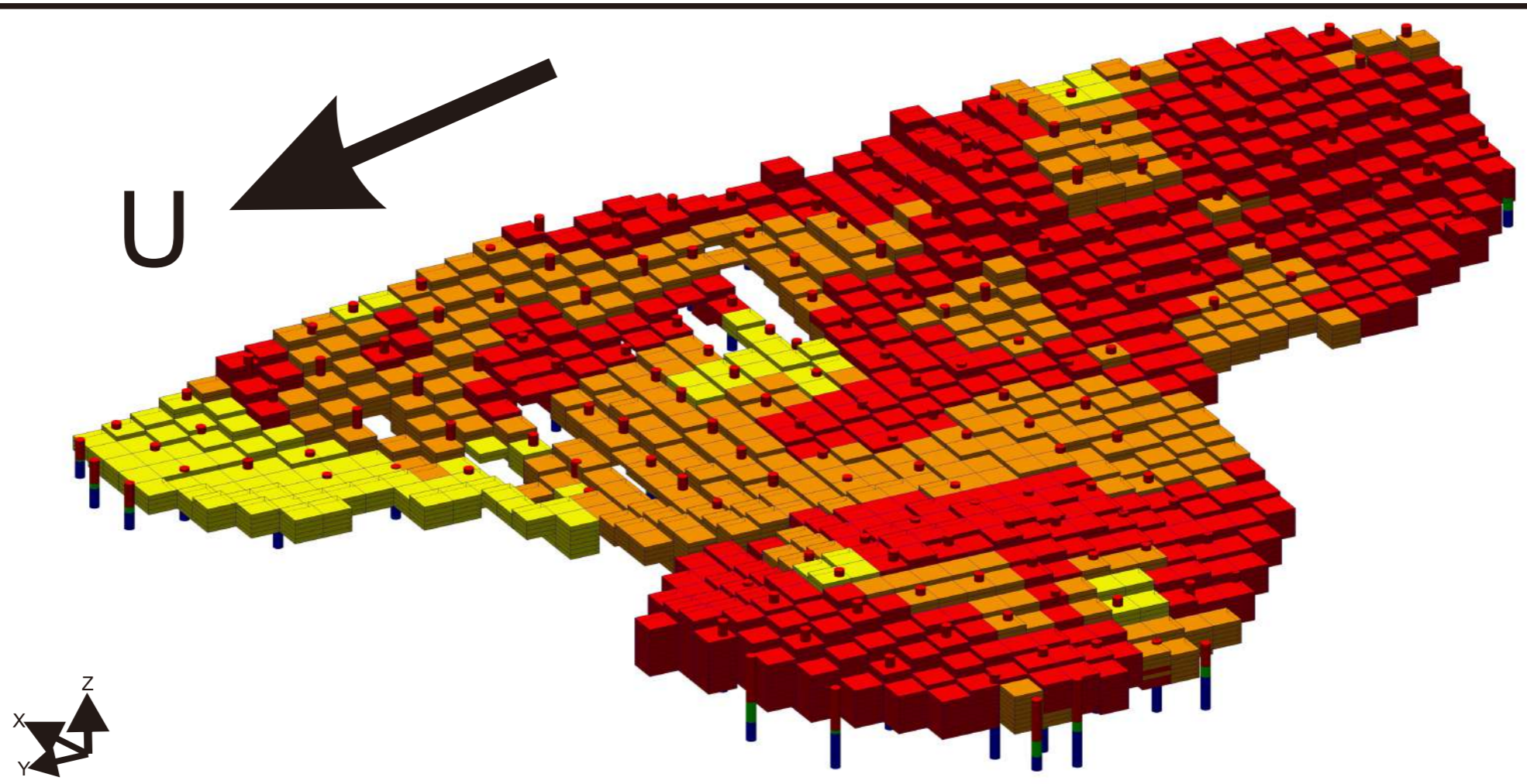
Keterangan

-  Titik Bor
-  Kontur
-  Batas Peta
-  < 46% Kadar Fe
-  46% - 49% Kadar Fe



PETA TUNJUK LOKASI





KEMENTERIAN PENDIDIKAN KEBUDAYAAN RISET DAN TEKNOLOGI
 UNIVERSITAS HASANUDDIN
 FAKULTAS TEKNIK
 DEPARTEMEN TEKNIK GEOLOGI

KETERANGAN

KADAR BESI LATERIT :

- < 46% Kadar Fe
- 46% - 49% Kadar Fe
- > 49% Kadar Fe

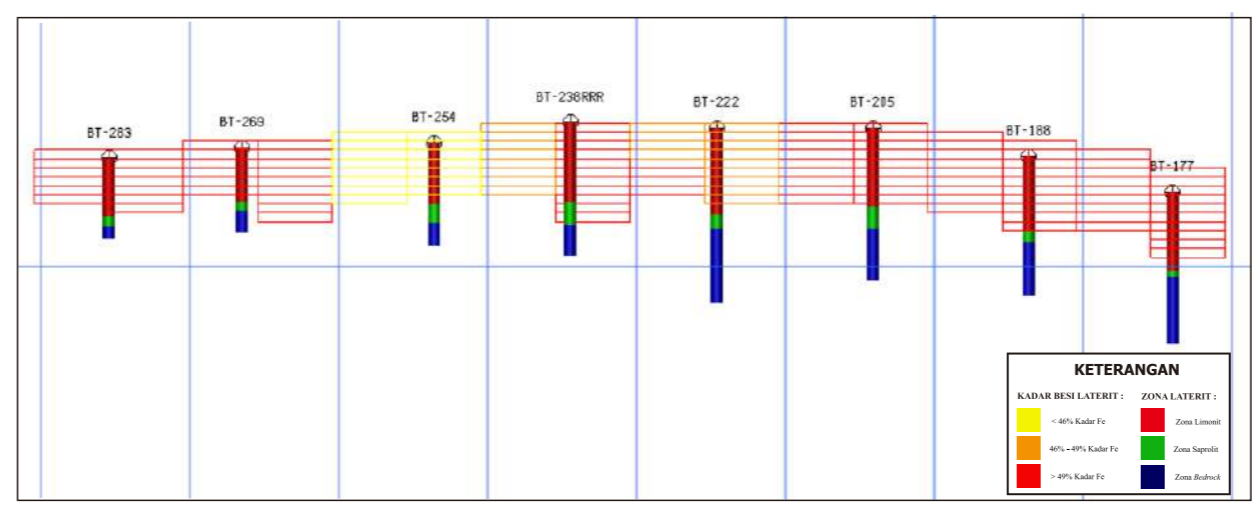
ZONA LATERIT :

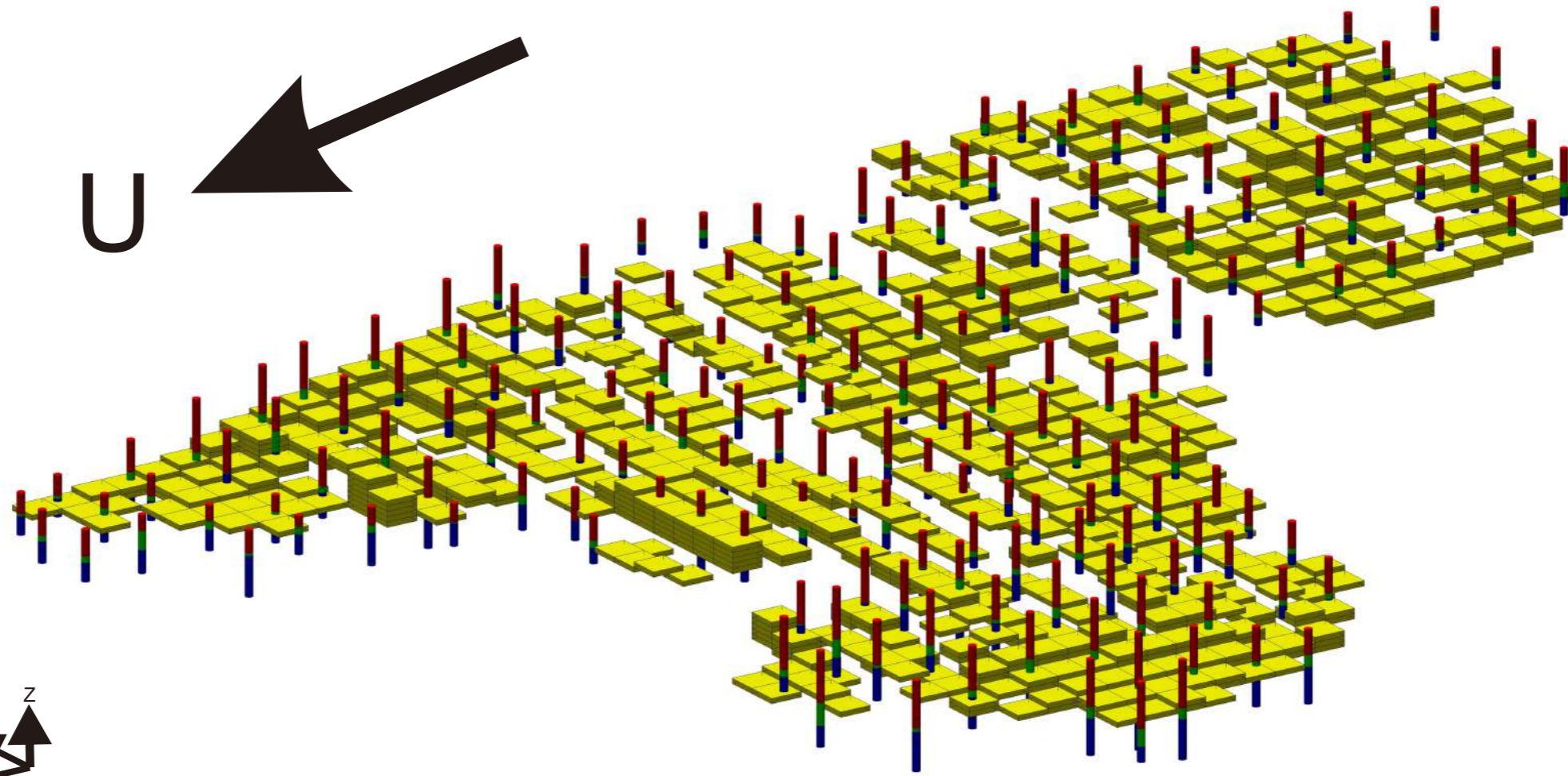
- Zona Limonit
- Zona Saprolit
- Zona *Bedrock*

MODEL BLOK LAPISAN LIMONIT PADA BLOK X PT. SEBUKU IRON LATERITIC ORES

DIGAMBAR OLEH
 NURUL IKHSAN
 D061181001

PENAMPANG SAYATAN LAPISAN LIMONIT









KEMENTERIAN PENDIDIKAN KEBUDAYAAN RISET DAN TEKNOLOGI
 UNIVERSITAS HASANUDDIN
 FAKULTAS TEKNIK
 DEPARTEMEN TEKNIK GEOLOGI

KETERANGAN

KADAR BESI LATERIT :

 < 46% Kadar Fe

ZONA LATERIT :

 Zona Limonit
 Zona Saprolit
 Zona *Bedrock*

MODEL BLOK LAPISAN SAPROLIT PADA
 BLOK X PT. SEBUKU IRON LATERITIC ORES

DIGAMBAR OLEH

NURUL IKHSAN
 D061181001

PENAMPANG SAYATAN LAPISAN SAPROLIT

