

**Tabel 3.2** Momen dan Penulangan Plat Lantai *Upperground*

Tabel Rekapitulasi Perhitungan Momen dan Penulangan Plat Lantai *Upperground*

Wu = 8.644 kN/m  
 Tebal plat = 0.12 m  
 dx = 0.095 m  
 dy = 0.085 m

| No | Tipe Plat Lantai | lx (m) | ly (m) | ly/lx | C     | Momen (Mu) (KNm) |        | Mu / bd <sup>2</sup> (KN/m <sup>2</sup> ) | k (Mpa) | ρ      | As Rencana (mm <sup>2</sup> ) | As Terpakai (mm <sup>2</sup> ) | Φ Tulangan |
|----|------------------|--------|--------|-------|-------|------------------|--------|---|---------|--------|-------------------------------|--------------------------------|------------|
| 1  | Tipe B           | 4.350  | 4.625  | 1.06  | 31.3  | Mlx              | 5.120  | 709.00                                    | 0.709   | 0.0028 | 266                           | 331.8                          | D13-400    |
|    |                  | 4.350  | 4.625  |       | 22.9  | Mly              | 3.746  | 647.92                                    | 0.647   | 0.0028 | 238                           | 331.8                          | D13-400    |
|    |                  | 4.350  | 4.625  |       | 47.4  | Mtx              | 7.753  | 1073.82                                   | 1.073   | 0.0028 | 266                           | 331.8                          | D13-400    |
|    |                  | 4.350  | 4.625  |       | 50.1  | Mty              | 8.195  | 1417.82                                   | 1.417   | 0.0028 | 238                           | 331.8                          | D13-400    |
| 2  | Tipe C           | 3.150  | 9.275  | 2.94  | 62.36 | Mlx              | 5.349  | 740.86                                    | 0.740   | 0.0028 | 266                           | 331.8                          | D13-400    |
|    |                  | 3.150  | 9.275  |       | 16    | Mly              | 1.372  | 237.37                                    | 0.237   | 0.0028 | 238                           | 331.8                          | D13-400    |
|    |                  | 3.150  | 9.275  |       | 83    | Mtx              | 7.119  | 986.01                                    | 0.986   | 0.0028 | 266                           | 331.8                          | D13-400    |
|    |                  | 3.150  | 9.275  |       | -     | Mty              | 2.674  | 462.80                                    | 0.462   | 0.0028 | 238                           | 331.8                          | D13-400    |
| 3  | Tipe D           | 4.350  | 7.650  | 1.76  | 49.8  | Mlx              | 8.146  | 1128.26                                   | 1.128   | 0.0028 | 266                           | 331.8                          | D13-400    |
|    |                  | 4.350  | 7.650  |       | 15    | Mly              | 2.453  | 424.39                                    | 0.424   | 0.0028 | 238                           | 331.8                          | D13-400    |
|    |                  | 4.350  | 7.650  |       | 78.6  | Mtx              | 12.856 | 1780.61                                   | 1.780   | 0.0028 | 266                           | 331.8                          | D13-400    |
|    |                  | 4.350  | 7.650  |       | 54    | Mty              | 8.833  | 152.20                                    | 1.528   | 0.0028 | 238                           | 331.8                          | D13-400    |