

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Dari perhitungan metode konvensional metode Reese dan Wright (1977), didapatkan nilai daya dukung ultimit tiang sebesar 1436 kN dan dari metode Kulhawy (1991) sebesar 1432 kN.
2. Dari interpretasi data hasil *loading test*, didapatkan nilai daya dukung ultimit tiang sebesar 1050 kN – 1857 kN, dengan mengabaikan nilai daya dukung ultimit dari metode Decourt (2090 kN) dan De Beer (1900 kN) yang dianggap terlalu besar.
3. Dari simulasi PLAXIS dan interpretasi menggunakan metode Chin, diperoleh daya dukung ultimit tiang sebesar 1460 kN.

5.2 Saran

1. Sebaiknya dilakukan pengujian tanah lainnya seperti uji lab untuk memperoleh parameter tanah yang lebih akurat.
2. Parameter tanah pada analisis menggunakan metode elemen hingga (PLAXIS) sebaiknya dimodelkan dengan “*Hardening Soil Model*” agar dapat lebih mendekati kondisi perilaku elastis-plastis tanah yang sebenarnya.

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