

**METODE PENGUJIAN DAN ANALISIS DAYA DUKUNG TIANG PANCANG TUNGGAL MENGGUNAKAN CARA PENGUJIAN BEBAN STATIK AKSIAL TEKAN (*LOADING TEST*) PADA PEMBANGUNAN APARTEMEN GRAND PAKUBUWONO JAKARTA SELATAN**

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**INTISARI**

Kekuatan pondasi tiang bergantung pada kapasitas ujung tiang dan tahanan selimut / friksi. Kekuatan pondasi tiang diperoleh dengan cara teoritis dan uji lapangan.

Penelitian ini bertujuan mengetahui pelaksanaan *loading test*, menghitung nilai kapasitas / daya dukung tiang tunggal, dan mengetahui koefisien pengali (kp) kapasitas teoritis terhadap kapasitas lapangan

Hasil penelitian menghasilkan daya dukung ( $Q_{all}$ ) berdasarkan data sondir menurut metode Meyerhof dan metode Begeman berada pada kisaran 56,83 – 69,33 ton dan 68,36 – 82,69 ton, sedangkan hasil pembebanan (*loading test*) daya dukung ijin ( $Q_{all}$ ) menurut metode Chin (1971) dan metode Mazurkiewicz (1972) berada pada kisaran 266,67 – 367 ton dan 215 – 297 ton. Nilai koefisien pengali pembangunan apartemen grand pakubuwono yang berlokasi di Jakarta Selatan, berkisar antara 2,78 – 5,81.

Kata kunci : Sondir, Loading test, koefisien pengali(kp)

*TESTING METHOD AND BEARING CAPACITY ANALYSIS OF SINGLE PILE  
USING AXIAL COMPRESS (LOADING TEST) AT APARTEMEN  
PAKUBUWONO SOUTH JAKARTA*

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*ABSTRAK*

*The power of the foundation of a dependent on the capacity of the cast and the custody of a blanket or fisticuffs .The power of the foundation of a pole obtained by means of theoretical and field test.*

*This research aims to know the implementation of loading test , calculate the value of the capacity of a single mast and capacity , and knowing the coefficient of a multiplier (  $k_p$  ) the capacity to the capacity of the field.*

*The results of research capacity produce (  $Q_{all}$  ) based on the data sondir according to the method Meyerhof Begeman and methods to be around 56,83 - 69,33 tons and 68,36 - 82,69 tons , while the imposition of ( test ) loading capacity permission (  $q_{all}$  ) according to the method Chin ( 1971 ) and methods Mazurkiewicz ( 1972 ) had remained in a range 266,67 - 367 tons and 215 - 297 tons .The value of the coefficients a multiplier apartment development grand pakubuwono which is located in South Jakarta , ranged from 2,78 - 5,81.*

*Keyword : CPT, Loading test, coefficients a multiplier*