

# **ANALISIS NILAI KUAT TARIK GEOTEKSTIL *NON WOVEN* TIPE GR 400 PP TERHADAP FUNGSI PEMAKAIAN**

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## **ABSTRAK**

Penelitian Geotekstil *Non Woven* ini bertujuan untuk mengetahui nilai kuat tarik dan kondisi sampel secara visual dengan penanaman sampel Geotekstil *Non Woven* didalam pasir selama 7 hari, 14 hari dan 30 hari, penelitian ini menggunakan pengujian kuat tarik *geotextile*, Pengujian dilakukan berdasarkan prosedur ASTM D4595 "*Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method* " yang dipublikasikan tahun 2011. Dalam penelitian ini untuk menguji kuat tarik Geotekstil *Non Woven* Pengujian dilakukan dengan mesin ASTM D4595. Dimensi sampel adalah 100x200 mm. Dalam hasil penelitian ini menunjukkan bahwa. Dari seluruh pengujian kuat tarik diperoleh rata-rata nilai kuat tarik memanjang sebesar 26,9 kN dan untuk nilai kuat tarik melebar 44,9 kN untuk sampel 0 hari, memanjang 24,6 kN dan melebar 43,8 kN untuk sampel 7 hari, memanjang 23,7 kN dan melebar 38,1 kN untuk sampel 14 hari dan memanjang 20,9 kN dan melebar 36,9 kN untuk sampel 30 hari sehingga nilai kuat tarik Geotekstil *Non Woven* menunjukkan terjadi penurunan yang cukup Ketika ditanam didalam pasir selama 7 hari, 14 hari dan 30 hari hal ini menunjukkan sampel Geotekstil *Non Woven* mengalami penurunan didalam pasir.

**Kata kunci: Geotekstil, Analisis Nilai Kuat Tarik Geotekstil Non Woven Tipe GR 400 PP Terhadap Fungsi Pemakaian.**

# **ANALYSIS OF THE VALUE OF TENSIVE STRENGTH OF NON WOVEN GEOTEXTILE TYPE GR 400 PP ON USAGE FUNCTIONS**

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## **ABSTRACT**

This Non Woven Geotextile study aims to determine the tensile strength value and the condition of the sample visually by planting Non Woven Geotextile samples in the sand for 7 days, 14 days and 30 days, this study uses the geotextile tensile strength test, the test is carried out based on the ASTM D4595 "Standard" procedure. Test Method for Tensile Properties of Geotextiles with the Broad Strip Method in 2011. In this study, to test the tensile strength of Non Woven Geotextiles, the test was carried out with the ASTM D4595 machine. The sample dimensions were 100x200 mm. The results of this study showed that from all penguins the tensile strength was obtained on average. The average value of the longitudinal tensile strength is 26.9 kN and the tensile strength is widening 44.9 kN for 0 days, lengthening 24.6 kN and widening 43.8 kN for the 7-day sample, lengthening 23.7 kN and widening 38.1 kN for the sample was 14 days and lengthened 20.9 kN and widened 36.9 kN for the 30 day sample so that the tensile strength of Non Woven Geotextiles showed a considerable decrease when planting in the sand for 7 days, 14 days and 30 days this shows that the Non Woven Geotextile sample has decreased in the sand.

**Keywords: Geotextile, Analysis of Tensile Strength Value of Non Woven Geotextile Type GR 400 PP Against Usage Function.**