

**STUDY OF SETTLEMENT BY USING PVD METHOD IN  
PEKAN NANAS**

**FINAL PROJECT**



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**STUDY PROGRAM BACHELOR CIVIL ENGINEERING**

**FACULTY ENGINEERING AND COMPUTER DEGREE**

**UNIVERSITAS BAKRIE**

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**STUDY OF SETTLEMENT BY USING PVD METHOD IN  
PEKAN NANAS**

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**Submitted as one of the requirements for obtaining a Civil  
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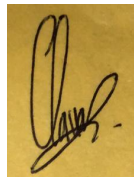
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## THANK YOU

Praise and thanksgiving, the writer would like to say the presence of Jehovah, the one and only God. Enjoy the faith and health that Jehovah has given me for all the abundance of sustenance and love so that the author can complete this project on time. The final project entitled “ Study of settlement by Using PVD method in Pekan Nanas “ was prepared to fulfill the requirements to complete the Civil Engineering Undergraduate Program, Bakrie University.

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Jakarta, February 2021

Penulis

# **STUDY OF SETTLEMENT BY USING PVD METHOD IN PEKAN NANAS**

Stephanie Claudia

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## **ABSTRACT**

Soft soil has very compressible properties where deformation or settlement that occurs due to the burden on it will be very large and takes a long time, so that efforts are needed to accelerate the process of land degradation. One method for overcoming large decreases and long downtimes is to use Prefabricated Vertical Drain (PVD). This study aims to compare the decrease in soil consolidation without using PVD and using PVD, as well as knowing excess pore pressure and safety factors for each variation.

Key words: settlement, PVD, Embankment, Safety Factor, Pore Pressure



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