POWER PRODUCTION PLAN AT PT. INDONESIA POWER USING MULTIPLE LINEAR REGRESSION

PUSPA AYUNING JIWANGGA
(Pembimbing : Heru Agus Santoso, Ph.D)
Teknik Informatika - S1, FIK, Universitas Dian Nuswantoro
www.dinus.ac.id
Email : 111201207179@mhs.dinus.ac.id

ABSTRAK

This study describes the analysis of the amount of electricity production by PT. Indonesia Power in 2015 using four factors that affect the production of electricity itself. Based on these problems, this research using the data mining that is modeled by multiple linear regression algorithm that aims to estimate the amount of electricity production can be produced by PT. Indonesia Power. In the linear regression analysis, there are two variables are dependent and independent variables. The dependent variable in the data used is the amount of electricity production is assumed as Y and the independent variable is the amount of fuel used is assumed as X1, efficiency is assumed as X2 , Disorders of the production machine is assumed as the X3, and Maintenance on the production machine is assumed as X4. Linear regression methods estimate with accuracy the approach has sufficiently precise so that the value of the estimation in the linear regression will not be much different from the estimated value of the original data.

Kata Kunci   :   Electricity Production, Data Mining, Estimation, Multiple Linear Regression

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PUSPA AYUNING JIWANGGA
(Lecturer : Heru Agus Santoso, Ph.D)
*Bachelor of Informatics Engineering - S1, Faculty of Computer
Science, DINUS University*
www.dinus.ac.id
Email : 111201207179@mhs.dinus.ac.id

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This study describes the analysis of the amount of electricity production by PT. Indonesia Power in 2015 using four factors that affect the production of electricity itself. Based on these problems, this research using the data mining that is modeled by multiple linear regression algorithm that aims to estimate the amount of electricity production can be produced by PT. Indonesia Power. In the linear regression analysis, there are two variables are dependent and independent variables. The dependent variable in the data used is the amount of electricity production is assumed as Y and the independent variable is the amount of fuel used is assumed as X1, efficiency is assumed as X2, Disorders of the production machine is assumed as the X3, and Maintenance on the production machine is assumed as X4. Linear regression methods estimate with accuracy the approach has sufficiently precise so that the value of the estimation in the linear regression will not be much different from the estimated value of the original data.

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