SISTEM PREDIKSI PERSEDIAAN DARAH DI PMI KAB. GRESIK DENGAN METODE LEAST SQUARE

By

NURUL JANNAH SAPUTRI

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ABSTRACT

Palang Merah Indonesia or PMI is often called a member of the national association in Indonesia which is engaged in social and humanitarian. The goal of the PMI is to alleviate the suffering of our fellow human beings. One of the activities that are often carried out by PMI blood transfusion activities. In the UTD PMI (Blood Transfusion Unit) difficulty in determining the supply of blood stock in the future, in due UTD PMI does not know how much blood is needed. So with UTD PMI should not run out of stock of blood that patients with blood deficiency can be helped. The data used are taken from data PMI Gresik in 2013 and 2014 as many as 24 data. system testing is done by performing 12 tests and selected the best 5 from the data used to predict as many as 2 months, 3 months, 8 months, 10 months, 12 months. Then from 5 test results compared to getting the smallest error to get the highest accuracy of the test results obtained in testing MAD (Mean Absolute Deviation) used a two-month high of 30.08333, while the error rate testing MAPE (Mean Absolute Percentage Error) of 9%

Keywords: *Data Mining, Predictions, Least Square.*

Supervisor   : Eko Prasetyo, S.Kom., M.Kom.

Co.Supervisor : Harunur Rosyid, S.T., M.Kom.