GEOGRAPHIC INFORMATION SYSTEMS OF MAPPING AND SUPPLIES FERTILIZER DISTRIBUTION CASE STUDY: REGION OF EAST JAVA I

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Abstract

Fertilizer as the major commodities that are often experienced shortages of agricultural support to the farmers. Fertilizer stock piping so far only up to certain circles. Another problem is the issuance of the Document Delivery Order queue previously held manually create a distribution of fertilizer hampered due to administrative matters only.

The author makes a geographic information system mapping, distribution and supply of fertilizer that can inform local conditions of availability of fertilizer at the district level to the condition of the existing stock of fertilizer in warehouses distributors with the latest data. Through this system, there are also services on request and issuance of DO that can be done anywhere and anytime. Which runs an online system has advantages in terms of distribution, time efficiency and effectiveness of performance.

System testing is done through several scenarios, which reflect the existing features of the system. The test is done directly by the distributor, marketing officer and general users who previously had been trained on the use of the system. Evaluation results of tests showed that the system has run smoothly and proved able to cut administrative time from the issuance of DO.

Keyword: Fertilizer, Information System, PT. Petrokimia Gresik