

**IMPLEMENTATION OF DISTRIBUTED DATABASE IN DRUG
INFORMATION SYSTEMS
(Case Study: Satirah Jailolo Pharmacy)**

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ABSTRACT

Pharmacy is a service of products and services associated with customer satisfaction. Pharmacy management is all efforts in the framework of the duties and functions of the pharmacy which includes planning, organizing, implementing, monitoring and evaluating. pharmacies have data on the distribution of pharmaceuticals, especially drugs that are very large. Satirah Pharmacy is located in Acango Village, Jailolo District, Jailolo Regency which has one branch located in Tedeng Village. Data recording which is still done manually at Satirah Pharmacy causes several problems, such as errors in data collection of drug supplies and data collection of suppliers, requires a long time in making reports and synchronizing data. To overcome this, it is necessary to build a drug inventory information system by implementing a distributed database so that the data between the central pharmacy and branch pharmacies are well integrated with each other. The design of this information system uses a replication system with a Model Driven Development (MDD) methodology that utilizes tools such as Use Case Diagrams, Activity Diagrams and Class Diagrams. The development of this drug supply information system is expected to be able to overcome the problems that often arise and help the drug recording activities to be smoother, more effective and efficient.

Keywords: *Distributed Database, Information System, Drug Inventory*