ABSTRAK

Sonita, R.Y. 2022. *Implementasi Rapid Application Development Dalam Rancang Bangun Sistem Informasi Logistik Bencana BPBD Kabupaten Lingga*. Skripsi. Tanjungpinang: Jurusan Teknik Informatika, Fakultas Teknik, Universitas Maritim Raja Ali Haji. Pembimbing I: Nurfalinda S.T., M.Cs. Pembimbing II: Nola Ritha, S.T., M.Cs.

Sistem Informasi Logistik Bencana merupakan sistem yang digunakan oleh Badan Penanggulangan Bencana Daerah Kabupaten Lingga. Selama ini sistem informasi kebutuhan logistik pada BPBD Kabupaten Lingga masih disajikan secara manual. Dalam mengatasi permasalahan tersebut, dibutuhkan pengembangan Sistem Informasi Logistik Bencana. Penelitian ini menggunakan metode pengembangan *Rapid Application Development (RAD)*. Tahapan-tahapan pada metode *RAD* mempermudah peneliti karena tahapan dilakukan secara sistematis dan membutuhkan waktu pembangunan sistem yang singkat. Pada tahap *workshop* desain diperoleh perancangan sistem dengan menggunakan *Unified Modeling Language (UML)* dan perancangan *Interface* sistem. Pada tahap implementasi dihasilkan sistem informasi logistik bencana dan dilakukan pengujian dengan metode *Black Box Testing* dan *User Acceptance Testing (UAT)*. Hasil pengujian *Black Box Testing* memperlihat bahwa Sistem Informasi Logistik yang dibangun telah memenuhi persyaratan kebutuhan pengguna dan hasil pengujian *User Acceptance Testing (UAT)* dengan persentase sebesar 89,2% yaitu tergolong sangat kuat.

Kata kunci: Sistem Informasi, Logistik, *RAD*

ABSTRACT

Sonita, R.Y. 2022. Implementation of Rapid Application Development in the Design of Disaster Logistics Information System for Lingga Regency BPBD. Thesis. Tanjungpinang: Department of Informatics Engineering, Faculty of Engineering, University of Maritim Raja Ali Haji. Advisor I: Nurfalinda S.T., M.Cs. Advisor II: Nola Ritha, S.T., M.Cs.

The Disaster Logistics Information System is a System used by the Lingga Regency Regional Disaster Management Agency. So far, the information system for logistics needs at the Lingga Regency BPBD is still presented manually. In overcoming these problems, it is necessary to developa Disaster Logistics Information System. This research uses the Rapid Application Development (RAD) Development method. The stages in the RAD method make it easier for researchers because the stages are carried out systematically and require a short system development time. At the design workshop stage, the system design was obtained using the Unified Modeling Language (UML) and the system interface design. At the implementation stage, a disaster logistics information system was produced and tested using the Black Box Testing and User Acceptance Testing (UAT) methods. The results of the Black Box Testing test show that the Logistics Information System that has been built has met the requirements of user needs and the results of the User Acceptance Testing (UAT) test with a percentage of 89.2% which is classified as very strong.

Keywords: *Information System*, *Logistics*, *RAD*