MUHAMAD ARIFIN, 20.230.0043
SISTEM INFORMASI PERENCANAAN KEBUTUHAN PUPUK BERSUBSIDI PADA DINAS KETAHANAN PANGAN DAN PERTANIAN KABUPATEN PEKALONGAN.
Di bawah bimbingan Taryadi, M.Cs dan Era Yunianto, M.Kom.
137+xv hal / 16 pustaka (206 - 2019)

ABSTRAK

Dinas Ketahanan Pangan dan Pertanian Kabupaten Pekalongan merupakan Dinas Tipe A, yang memiliki 5 bidang yang menopang pelaksanaan tugas Pemerintah Daerah yang meliputi Bidang Ketahanan Pangan, Bidang Tanaman Pangan, Bidang Peternakan, Bidang Perkebunan serta Bidang Prasarana Sarana dan Penyuluhan Pertanian. Dalam hal pemenuhan kebutuhan pupuk bagi petani, itu menjadi Tupoksi bidang Sarana Prasarana dan Penyuluhan Pertanian. Selama ini proses perencanaan pupuk bersubsidi sudah dilakukan menggunakan Aplikasi Simpi yang dimotori oleh Pemerintah Provinsi Jawa Tengah dengan BRI. Kendala berkaitan dengan susahnya sharing data petani akibat data nasabah bagi perbankan merupakan data yang bersifat rahasia. Serta dari hasil analisa magang yang dilakukan terjadi banyak kendala akibat tidak dilakukan monitoring data ketersediaan pupuk dilapangan dengan data pada aplikasi Simpi. maka dibangunlah sebuah Sistem Informasi Perencanaan Kebutuhan Pupuk Bersubsi secara khusus di Dinas Ketahanan Pangan dan Pertanian Kabupaten Pekalongan yang dapat memberikan kemudahan dalam pengajuan perencanaan, pengajuan serta monitoring ketersediaan pupuk di lapangan. Sistem Informasi Perencanaan Kebutuhan Pupuk Bersubsidi ini dirancang menggunakan bahasa pemrograman PHP dan dibuat menggunakan software Sublime Text. Sedangkan untuk databasenya menggunakan Mysql dengan software xampp. Metode pengumpulan data yaitu observasi dan wawancara. Metode yang digunakan dalam pengembangan sistem yaitu Waterfall. Metode yang digunakan dalam pengujian sistem meliputi whitebox testing, blackbox testing dan user acceptance test (UAT). Kesimpulan yang dihasilkan bahwa sistem dapat memberikan kemudahan dalam perencanaan dan pengajuan kebutuhan pupuk secara online, Sistem dapat mempercepat dalam pendokumentasian dan pelaporan ketersediaan pupuk bersubsidi di lapangan dan Sistem dapat memberikan kemudahan dalam melakukan proses perencanaan dan pengajuan pupuk bersubsidi bagi petani berdasarkan data kepemilikan lahan serta dosis yang dianjurkan.

Kata Kunci : *Sistem Informasi, Perencanaan Kebutuhan Pupuk Bersubsidi, Web*

MUHAMAD ARIFIN, 20.230.0043
INFORMATION SYSTEM PLANNING OF SUBSIDIED FERTILIZER REQUIREMENTS AT THE DEPARTMENT OF FOOD SECURITY AND AGRICULTURE, PEKALONGAN REGENCY.
Under the guidance of Taryadi, M.Cs and Era Yunianto, M.Kom.
137+xv pg / 16 libraries (2010 - 2019)

ABSTRACT

The Pekalongan Regency Food and Agriculture Security Service is a Type A Service, which has 5 fields that support the implementation of the tasks of the Regional Government which include the Food Security Sector, the Food Crops Sector, the Livestock Sector, the Plantation Sector and the Infrastructure Facilities and Agricultural Extension. In terms of fulfilling fertilizer needs for farmers, it becomes the main task of the field of Infrastructure and Agricultural Extension. So far, the planning process for subsidized fertilizers has been carried out using the Simpi application, which is driven by the Central Java Provincial Government and BRI. Obstacles related to the difficulty of sharing farmer data due to customer data for banks are confidential data. As well as from the results of the internship analysis carried out there were many obstacles due to not monitoring the fertilizer availability data in the field with the data on the Simpi application. Then an Information System for Planning for Subsidized Fertilizer Needs was built specifically at the Food Security and Agriculture Office of Pekalongan Regency which can provide convenience in submitting planning, submitting and monitoring the availability of fertilizers in the field. This Subsidized Fertilizer Needs Planning Information System is designed using the PHP programming language and created using the Sublime Text software. As for the database using Mysql with xampp software. Data collection methods are observation and interviews. The method used in system development is Waterfall. The methods used in system testing include whitebox testing, blackbox testing and user acceptance test (UAT). The conclusion is that the system can provide convenience in planning and submitting fertilizer needs online, the system can speed up the documentation and reporting of the availability of subsidized fertilizers in the field and the system can provide convenience in planning and submitting subsidized fertilizers for farmers based on land ownership data and doses recommended.

Keywords: Information System, Subsidized Fertilizer Needs Planning, Web