ABSTRACT

DESIGN AND IMPLEMENTATION OF
RESTAURANT INFORMATION SYSTEM MULTI BRANCH
CENTRALIZED MANAGEMENT USING
VPN (VIRTUAL PRIVATE NETWORK)

(Case Study in Pondok Santap Glompong)

By

RENDI AGUNG WIJAYA

The development of multi-branch restaurant is rapidly increasing but still manually managing information can lead to problems such as difficulty in monitoring the financial condition of the raw materials and each branch to be as in Pondok Santap Glompong. Information system of multi-branch restaurant is required to assist the restaurant management and monitoring activities centrally through the Internet.

Development of this system uses modified waterfall model and using Lazarus Pascal IDE, PHP & JQuery Mobile, MySQL Server and LogMeIn Hamachi VPN Software as tools. The system was developed based on the needs of prospective users, in this case is Pondok Santap Glompong.

Design and Implementation has produced an information system of restaurant that has a facilities such as managing materials, menus, mobile based orders, transactions, reports, and online synchronization using LogMeIn Hamachi VPN software. This system can handle all of the user’s requirements. In addition, the VPN connection is established to simplify the process of data synchronization, management and monitoring of branches without requiring special configuration of the VPN server.

Keywords: multi-branch restaurant information system, modified waterfall method.