ABSTRACT

Hj. Hasnah. *Implementation and Application of Information System Academic Value-Based Mobile Phone at SMK Negeri 5 Makassar*. (Supervised by: H. Muhammad Yahya and Hj. Purnamawati).

This study aims to: (1) design of academic value information system at the SMK Negeri 5 Makassar, (2) design of academic information system application on the mobile phone value and (3) implement the academic value of information system applications using mobile phone in SMK Negeri 5 Makassar.

This research is the development of the System Development Life Cycle (SDLC) model with prototyping approach which consists of systems analysis phase, the design and planning stage of system development, system development phase, the testing phase of the system, and the system implementation phase. File was collected using questionnaires and observation sheets with research subjects were students of class XI TKJ 2 (Computer Network Engineering) second semester of academic year 2012/2013 in SMK Negeri 5 Makassar.

The results obtained are as follows: (1) the product of academic information system applications on the desktop using delphi programming, (2) the value of information systems applications products on mobile phone use programming java2 micro edition (J2ME) and (3) the results showed that the application of the system information on the academic value of SMK Negeri 5 Makassar has met the validity criteria covering aspects of software used to design applications values, aspects of the display value applications, application features, database, systems and network security. Based on the results of these applications are expected to be applied in environments SMK Negeri 5 Makassar.

Key words: *implementation , information system, value, mobile phone*