

ABSTRACT

E-Learning is a method of learning where the students does not meet with the teacher directly and the students themselves using electronic media to make the learning process. At this time, E-Learning has two main concepts. First is knowledge management, which means students get the learning materials through E-Learning. And the second is on-line training, which means students do exercises to know how far they understood materials in the E-learning.

Algorithm and Programming is a course for basic level programs in D3 Informatics Engineering Institute Technology of Telkom. In this course, D3 Informatics Engineering students will learn about the basics of the algorithm in programming using algorithm language and pascal language programming. Algorithm itself is a very important matter on Teknik Informatika because the algorithm is the basic of all programming, both for application programming, database programming, network programming,etc. However, many students are having difficulties to understand the algorithms when learning from books or lectures during the class. It is because the students have difficulty to imagine the way the algorithm.

Therefore , final project entitled Intranet-Based E-Learning Algorithm For Helping Algorithm And Programming Course In Institute Technology of Telkom made to help reducing that problem. With an E-Learning algorithm in the local network Institute Technology of Telkom, Informatics Engineering students can freely ask questions through the forum on this E-Learning and doing exercises to determine how far they understood algorithms and Programming course. Students can also get a description of the way basic programs because each basic programs can be described with flash.

This final project was made using waterfall method and implemented with PHP programming language using mysql database and others supporting software.

Kata kunci : e-learning algorithm, PHP, intranet