ABSTRACT

The successful Higher Education (CF) is the higher education that can make graduates who can compete globally. This is considering that science will continue to grow along with the times. To produce graduates who are good in the future it is necessary to do some evaluation in which the evaluation will be supporting in some improvements in the process of teaching the basic subjects taught in Higher Education (PT). Evaluation of learning outcomes can be done by converting data into information and information into knowledge. Of the existing data is converted into information that will then be used as teaching material in the evaluation process undertaken. The data that have been converted into information, and then can be converted into knowledge.This research uses knowledge conversion 5C4C, the raw data is converted into information obtained through the phase 5C (contextualized, Categorized, Calculated, Corrected and Condensed) with the help of microsoft excel processing tools and the information is converted into knowledge through stages 4C (Comparison, Consequence, Connection and Conversation).

Based on research results obtained, information of the number of students who otherwise did not pass the first calculus course in the period 2005-2010 are 258 students, calculus II are 392 students and vector matrix are 126 students. Students who repeated Calculus I courses in the period of 2005-2010 for 2 times there were 112 students, there were 95 students for three times, there were five students for four times. For calculus II, there were 238 students repeated two times and 16 students repeated three times. For subjects vector matrix, there were 267 students who repeat two times, there were 99 students for three times, there were 18 students four times and there was one student for five times. Conversion of information into knowledge showed that students still feel less satisfied with the teaching process that have been made at this time.

Based on the research result obtained, information of the number of students who otherwise did not pass the Calculus I course in the period 2007-2012 are 93 students, Calculus II are 66 students, Vector Matrix are 34 students, Probability Theory are 146 students, Industrial Statistic are 31 students, Operational Research I are 16 students, Operational Research II are 18 students, Simulation Modeling are 6 students and Managemant Service Operations is 14 students.

Based on the analysis and data processing results it could be concluded that the data is converted into information and information into knowledge that can be converted self-evaluation materials for the institution, and then the conversion result can be externalized in the form of documents. For further research, may be continued by making information systems information and knowledge of data conversion.

Keywords: Learning Process Evaluation, conversion of data, information and knowledge.