

ABSTRACT

The Industrial Engineering Study Program is the study program at Telkom University which has been accredited A so that it becomes the study program which is interested by the new student candidate. It is proven by the increase of the number of students by 24% in 2015. The increase in the number of students is not directly proportional to the achievement of timely graduation at the first level due to a decrease of 13.34%. The chairman of TI Prodi said that the delay in graduating level one may affect the accreditation of the study program. The delay of level one pass can be seen from the IP, GPA, and grade grade of each first grade course. These three are forms of learning achievement of a student. Learning achievement can be influenced by various factors. In this study, factors identified to be identified with learning achievement are lecturer factor, learning motivation, learning strategy, school and city origin, activities undertaken by the student when level one, and scholarship allowance when level one. These factors were identified using the 5c-4c knowledge conversion by converting the data into information by adding 5 added values ie contextualized, categorized, calculated, corrected and condensed. Then convert information into knowledge by given 4 added value that is comparison, consequences, connection, and conversation. The results of the knowledge conversion indicate a link between learning strategies and the number of student activities when at level one with learning achievement. Therefore, a program design proposal is proposed that can improve the timeliness of graduation level one in the next period based on the result of knowledge conversion by way of seminars on self-awareness and goal setting, scheduled meetings with guardian lecturers, and how lecturers in teaching.

Keywords: First Level in College, Knowledge Conversion 5C+4C, Learning Achievement,