

ABSTRACT

Industrial Engineering of Telkom Institute of Technology is an engineering major that focus on analysis, design, implementation, and enhancement of a full sistem that consist of human, tools, fund, material, and method. So that, in order to build someone who could understand those things, a curriculum which is not only teach the students about material or theories but also enabled the students to integrate resources and their abilities to generate something.

This study intends to facilitate the curriculum drafting team to develop five years – curriculum based on ISO 9001:2008. The making of curriculum nowadays still be based on the recommendation of Direktorat Jendral Pendidikan Tinggi (DIKTI), but there are no process which could be used as a tools to verify whether the curriculum has been in conformity with the needs of the industry. Data collecting is done with tracer study method that applies interviews to people and round-up of data about the field and the companies where they work now. These data then will be processed and created as the base material for selecting graduates profile, which is the early step in first iteration. The method used in this study is Quality Function Deployment (QFD). This method was chosen because this method supply HOQ matrix to assess the relationship between elements that are inside, so that by this method can be seen again if the curriculum design meets the design input requirements identified previously. As a result, the output of this study is a framework on making curriculum in House of Quality and calculation of the number of competency as a verification tool.

Keyword : QFD, making of curriculum, verify