ABSTRACT

The S2 (postgraduate) program is a continuation of bachelor's degree programs, S2 program in Faculty of Industrial Engineering recently formed for Industrial Engineering (IE) programme. S2 IE has three ways of registration, regular, fast track, and double degree. S2 IE hasn't had a business process so the process be hampered and reduce performance effectiveness. The implementation of standarization business process is required to increase the performance effectiveness influence. S2 IE neither had a well-palnned curiculum credits, especially for fast track.

The research purpose is to make a business process design in S2 IE and curiculum credits design especially for fast track with SECI method, wherever S2 IE process implementation is still a tacit knowledge and must be converted into explicit knowledge as a standardized business process. Benchmarking is also used for business process design done with ITB and another faculty at Telkom University, which is had implement a S2 program first.

Research result is S2 IE design for business process manual implementation and curiculum credits. Business process design is divided into three registration ways regular, fast track, and double degree. Based on with the registration ways is divided into three phases pre-college, college, and post-college. Curiculum credits design for fast track is implemented with S1 3.5 years program and for fast track preparation began in third semester. Sugestion for further research is to design a SOP for S2 IE based on ISO 9001:2015

Keywords— [business process, SECI, benchmarking, postgraduated]