ABSTRACT

Quality assurance process is one of the important stage in the software life cycle. One way to ensure software quality is to evaluate the software. A good evaluation is done based on quality standards. One of the quality standards that can be used is the ISO / IEC 9126. ISO / IEC 9126 has six characteristics that are capable of measuring the quality of software from both internal and external aspects. Portability is one of the characteristics of the ISO / IEC 9126 which measures the software's ability to adapt to a particular environment.

In this final project, case study ITS Academic Information System Assessment Module is evaluated using the ISO/IEC 9126 quality model. Aspect evaluated is the portability aspect. To support the evaluation process, software evaluation tool was built refers to portability characteristic of ISO/IEC 9126-3. Software evaluation tool which was built is able to evaluate not only ITS Academic Information System but also other software.

Evaluation on ITS Academic Information System Assessment Module shows good results. After needs adjustment and a review of ITS Academic Information System Assessment Module, from twelve measurement metrics only three are used for evaluation. The evaluation is done both manually and by using the software evaluation tool. Software evaluation tool gives the same result as the evaluation which is done manually.

Keyword: academic informatic system, ISO/IEC 9126, software evaluation tools, quality model.