

## ABSTRACT

*OBE (Outcome Based Education) is one of the applications in iGracias that has been developed since 2018 and used since 2020. Root cause analysis with a fishbone diagram was created in sub-chapter IV.2 to identify the factors that trigger problems in the OBE iGracias Application. The problem that often occurs in the OBE iGracias Application is the system is down due to too many requests during the value input process carried out by all lecturers at the same time, causing the value generation process to fail. In addition, the OBE iGracias Application does not yet have a CLO report export feature per semester, which results in the Head of Study Program having to do manual ticketing to request value data in excel format. To improve the quality of the OBE iGracias Application, it is necessary to know the quality of the application by conducting a quality evaluation, one of which is with the ISO/IEC 25010:2011 standard. However, based on the results of the interview, the OBE iGracias Application has never been evaluated regarding its quality using the ISO/IEC 25010:2011 standard. Therefore, this study was conducted to determine the quality of the OBE iGracias Application based on the ISO/IEC 25010:2011 standard on the product quality dimension which includes the characteristics of security, functional suitability, usability, reliability, and performance efficiency. Based on the results of the descriptive analysis of the results of the questionnaire on the level of user satisfaction on each of these characteristics, it shows that the quality of the OBE iGracias Application is in the "Good" category with an overall percentage score of 78%. With these results, the OBE iGracias Application still needs improvement to improve the quality of its application. Thus, the author provides suggestions for improvements as recommendations to improve the quality of the OBE iGracias Application so that it can meet user expectations.*

**Keywords: ISO/IEC 25010, Product Quality, Information System Quality, OBE iGracias**