

Abstract

In the implementation at Telkom University, the Outcome Based Education (OBE) education approach system is still carried out manually, especially in the Computer Engineering undergraduate study program. Currently, it is necessary to build a structured OBE database model, to help the academic process of education that works dynamically. In the construction of the OBE system, it is also necessary to test the integrity of the data integrity of the database model. The purpose of data integrity testing on the OBE database model is to verify that the constraints applied to the database are functioning properly and that there are no information storage problems such as data redundancy and duplication. Testing is done by identifying the constraints applied to the OBE database that is built. Tests on certain restrictions get almost perfect results by reducing data redundancy by 97.05%.

Keywords: Database, OBE, Data redundancy.