WOLAITA SODO UNIVERSITY

School of informatics Department of Information Technology

Course Title: ADVANCED DBMS (MSIT 6104).   **Program:** weekend.

Assignment: Article Review.

Title: "DESIGN OF DATA WAREHOUSE ARCHITECTURE FOR TRACER STUDY DATA MANAGEMENT BASED ON OLAP".

Submitted by:

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First and foremost, and above all I would like to thank Almighty God because nothing could be possible without his help and my families. Secondly, I would like to thank you (my instructor) Habtamu Fanta (Phd) to motivate and encourage me to do this project.

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1. Introduction

This review of article is reviewed on article which is titled as "DESIGN OF DATA WAREHOUSE ARCHITECTURE FOR TRACER STUDY DATA MANAGEMENT BASED ON OLAP".

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2. Type

This article is type of Applied research because it solves certain problems employing well known and accepted theories and principles. The outcome of this article immediately applicable/practically used to current activity. **It is also mixed research** type under Applied research type because it involves the mixing of quantitative and qualitative methods.

3. Method and techniques

This research was conducted by adding data as a consideration, to get an idea of a problem. The method of data collection is done through literature studies in the form of journals, books, and written works about data warehouses as a source of data collection. In addition, the interview and observation process directly to the career center widyatama as a career management center that supports tracer study for alumni at widyatama university.

1. The observation method is carried out to the career center of widyatama university to observe what is needed for the design of tracer study data

2. The interview method is conducted to the career center of widyatama university to obtain primary data, later the data will be used in designing data warehouse tracer study of widyatama university

4. Evaluation

Based on analysis of the design of the data warehouse tracer study it could be concluded that the use of advanced search descriptors and processes referred to by Ranjit Kumar could help make data warehouse design simpler and more efficient. Starting from formulating research, conceptualizing research design, constructing an instrument for data collection, collecting samples, processing data, processing, and display, and finally the creation of the report of Research. The study was derived from a multidimensional schematic drawing using a snowflake schema for the data warehouse tracer study. When selecting a sample attribute based on established criteria, it can be a dimension to create a dimension. According to the analysis, there are 1 fact table are named fact_tracer_study and 9 dimension tables, while the dimensions formed consist of alumni dimensions, job dimensions, company dimensions, salary dimensions, location dimensions, faculty dimensions, time dimensions, suitability dimensions, and problem dimensions. Following a multidimensional design model of snowflake's scheme, a data measurement scheme continued as a data tracking chart that could be used for the analysis of the warehouse's data study tracer.