

Abstract

Tracer Study is an alumni survey that conducted by a university. The purpose of this Tracer Study is to figure out the process of absorption, and position of graduates in the world of work. In this final project, a research was conducted to find out the network topology on Telkom University alumni competencies using Minimum Spanning Tree (MST) method with kruskal algorithm to find out the most important and influential competencies of alumni in Telkom University . The type of data used is data tracer study alumni Telkom University in 2015. Centrality measures determine the relative importance for each particular competence. Five kinds of centrality will be discussed degree centrality, betweenness centrality, closeness centrality, eigenvector centrality and overall measure centrality. Overall Measure can be used to summarize important information that contained in social networking. The most important and influential competency results there are six competencies, namely competency (1) Knowledge in the field or discipline, (2) Ability to hold responsibilities, (4) Internet skills, (3) General knowledge, (8) Ability Learning, and (6) Critical Thinking.

Keywords : Centrality Measure, Tracer Study, MST, Kruskal Algorithm.