

## **Abstract**

Twitter is a great social network with a number of users to reach millions. Representation of the social networks they form a graph that great, inside there are many nodes. Each node has a relation of friendship to some other node, thus increasing the value of the node centrality based on the average distance of a node to all nodes connected on social networks ( closeness centrality ) . This centrality value represents the level of tighty relationship node to another node .This final project will discuss the Social Network Analysis with closeness centrality method using Floyd-Warshall algorithm. With the system being designed in this thesis , the author will conduct an analysis of the social networks that have been built and found the centrality of the structure of relationships which is owned by each user or individual.

**Keyword** : *Social Network Analysis, closeness centrality, node, centrality,user, floyd-warshall*