

ABSTRACT

The rapid growth of the Internet nowadays raises many opportunities for new ICT (Information Communication Technology) entrepreneurs. Initiated by the success of ICT companies located in Silicon Valley, the United States, such as Google and Facebook. This entrepreneur waves spread throughout the world and encourage many ICT startup companies in various countries, including Indonesia and Singapore. The rapid growth of ICT startup today can be seen from the increase in value of the company's valuation significantly in recent years.

The investment to ICT startup companies in Indonesia and Singapore have become an interesting phenomenon to study. Until now, not many scientific studies that discuss the pattern of investment in ICT startup companies. The patterns that occur in the relationship between investors and startups in Indonesia and Singapore can be served as a reference to describe how the ICT startup industry grow in Indonesia and Singapore

The number of startups and investors continues to increase making the network become large and complex. This gave rise to a phenomenon known as the small world phenomenon. Where the startup investment network between investors and startups in Indonesia and Singapore looks narrow and small by the parties involved.

By performing network analysis on ICT startups investment network between investors and the ICT startup companies in Indonesia and Singapore, we can know the patterns of the relationship between investors and ICT startup companies, the most active and influential actors in this network, how much distance required to connect with each actor, how quickly information can spread in this network, and also whether the network has the characteristics of small world networks or not.

Keywords: *Small World Network, Network Theory, Network Analysis, Startups, Startup Investment, Investment Network, Network Property*