

ABSTRACT

The rapid development of the internet has a direct impact on human behavior in interacting which generates a new economy, this is known as the phenomenon of business on the basis of the internet or e-commerce. In addition, there is a need for an infrastructure level that supports continuity so that interaction activities remain connected where the presence of a base transceiver station creates wider and more reliable internet access so that it illustrates the impact of technology on shopping for goods online or becoming an e-commerce consumer.

The purpose of this reasearch is to analyze the impact of e-commerce and telecommunication infrasructure with Indonesia's economic growth. The independent variables used in this study are the value of e-commerce transactions and the number of 3G and 4G base transceiver stasion (BTS) reported from communication provider companies in Indonesia and the dependent variable of Indonesia's dross domestic product (GDP) in 2009-2020, which is obtained by the Central Statistics Agency, the annual report of the provider companyin Indonesia and annual report of the Minister of Communication and Information of the Republic of Indonesia.

This reasearch uses the Auto-Regressive Distributed Lag (ARDL) methods to analyze the impact of e-commerce and telecommunications infrasructure on Indonesia's economic growth during 2009-2020 estimated using the e-views program. The results of the analysis show that BTS and the value of e-commerce transactions as indicators of the e-commerce market, and communications infrasructure have a positive effect on economic growth. However, it is sigificant in the short term the value e-commerce transactions. BTS is siginificant in short and long term but has a low coefficient in the long run.

Keywords: E-commerce, Economic growth, Telecommunications Infrastructure, Auto-Regressive Distributed Lag.