

## **ABSTRACT**

*In today's digital era, technology plays a crucial role in driving economic growth. Rapid advancements in technology have had a profound impact on economic activities. This study aims to empirically analyze the influence of Information and Communication Technology (ICT) on economic growth in Indonesia using panel data from 34 provinces during the period 2017 – 2022. ICT in this research is measured through sub-index of access & infrastructure, sub-index usage, and sub-index skills. The method used is the Fixed Effect Modal (FEM) with adjustments for Robust Standard Errors. The results indicate a positive and statistically significant impact of ICT variables on economic growth. Furthermore, physical capital also shows a positive effect, whereas depreciation and population growth negatively effects economic growth. Both variables are statistically significant and consistent with economic theory. Although all three ICT sub-index contribute positively, their impact remains smaller compared to physical capital.*

*Keywords: Solow economic growth, information and communication technology, panel data, fixed effect model*

