

ABSTRACT

Technology in these days that many people have is a smartphone. Smartphone ownership rates have skyrocketed in many countries since 2013.. Worldwide mobile phone sales to end users totaled 1.75 billion units in 2012. In Indonesia, many Indonesian people are addicted to their smartphone. People in Indonesia usually use the smartphone for working, chatting, or even online shopping. Online shopping is very addicted to Indonesian people because usually They can buy anything they want just by their smartphone, like the world nowadays. Just using their smartphone and the things that they want will deliver to their home or office. There is some problem in Indonesia are common people don't know what they suppose to buy for a gadget such as laptop. To solve the problem there is a mobile application that recommend and guide Indonesian people to know what they really need and don't spend much money on the things that they don't need or suppose to buy. The recommendation algorithm is very important to this mobile application. The results is people can understand what they are buying and successfully to implement the algorithm to make a classification by the hardware.

Keywords: Android, Classification, Decision Tree, Online Shopping, Waterfall

