# ABSTRACT

Currently digital information boards have begun to be widely used in several sectors in Indonesia, such as business, tourism, restaurants and so on. Because the price of digital information boards is still expensive, the information board still uses conventional information media such as flyers, banners and posters. Therefore, an innovation is made of a digital information board using Light Emitting Diode Television (LED TV) as an information viewer and a PC as its processing.

That's why in this final project book, a microcomputer was designed by utilizing it to be a substitute for Personal Computer (PC) where the PC still has disadvantages such as large size, so it is not efficient to use. So we need a device whose function resembles a PC that is called Raspberry Pi. This Raspberry pi will operate like a PC, but its features are still limited and not as much as if using a PC. In previous research, to send data that will appear on the monitor from the server using an access poin. So, in this final project it will be simplified using Ad-hoc networks. The content that displayed on the monitor also still looks less attractive and a lot of free space that should be used to add other content.

After the implementation and testing of this digital information board web, it was concluded that this digital information board website could help in the dissemination of information with an average assessment of general subjectivity of 3,87 so that it could be stated pretty good.

Keywords: Digital information boards, Raspberry Pi, Ad-hoc.