ABSTRACT

Indonesia as a democratic country, gives the rights to all citizens in participating general elections (Pemilu). Nowadays, all of candidate for the government, such as president, vice president, governor, and till the local government is elected by the citizens. Because of the importance of general election Indonesia, so the government must prepare it perfectly. The cost to be spent when general election is really big. Beside the cost problem, another problem is the process of vote counting need a long time; it makes the citizens have to wait the uncertain result. Moreover, it is for taking care our environment with using paperless and reusable technology.

Based on that fact, it has been made electronic voting (*e-Voting)* using wireless technology. In processing of this instrument, it is used *LCD Serial Graphic* as replacement of vote card, then the process of vote collection is based on electronic. Then, *LCD Serial Graphic* is connected to the microcontroller which has been connected to the Zig-100 as *wireless* communicator so the input data from LCD can be sent and received by receiver Zig-100 which is connected by *Personal Computer*. When the election process is done, the personal computer will show the *report* from the result of vote counting. The display of the report will be shown as graph with using *Crystal Report.*

In the designing of this instrument, it is expected to produce a new device (e-voting) as one of method when general election is held. Besides cost-saving, this device can easier and make faster in voice extrapolation. Hopefully this device could be used in the next general election.

Keyword: ***e-Voting*, *wireless communication*, *LCD Serial Graphic***