ABSTRACTION

*The rapid evolution of Information, Communication and Technology (ICT) in such a short time has made an impact on the life of society. But not every aspect of society gets the ICT benefits that causes the digital divide. The Government has made an attempt to improve the internet penetration as one of the ways to decrease the digital divide in Indonesia. One of the attempts is to create an ICT empowerment program, such as a helping program like Warmasif (*Warung masyarakat informasi*) in Cilengkrang sub-district of Bandung regency. The determination of the sub-districts to receive this program is done without a strong decision, and the form of the given assistance is decided by the central Government, without involving the involved sub-districts and regencies. Because of that, the assistance program did not go as as expected.*

Because of those issues, there is a need of a helping device in a form of an application that can help the Bandung regency's government to take a correct decision in determining the right sub-district to have the right to be given the assistance first.

The used application in this research is a geographical-based community asset mapping with Asset Based Community Development method as a development of a certain area asset-based so it gives acommunity asset information that every village owns.

With the presence of this geographical-based community asset mapping application, the Bandung regency easily discover locations of chosen villages in Cilengrang sub-district to be given the ICT assistance program. Also, this application can give several information regarding on assets that every village owns.

Keywords *: ICT, Digital Divide, asset mapping, Asset Based Community Development, GIS, Cilengkrang sub-district*