ABSTRACT

Computer technology becomes one of the most important needs for society. Along with the growth of the technology, there are some problems appeared. The differences of fees and economic level of the society cause many people can't take the benefit of the technology. Particularly in the education sector, precisely in the school for middle or lower society. Therefore, technology which can press the expenses and make the students comfortable with the learning process is needed.

Multiseat can be developed with doing configuration of Xorg server, systemd, and the additional software for each seats. The Ubuntu GNOME 16.04 LTS is the operating system for Multiseat development. There are some tools that can be used in the Multiseat PC, including GIMP, Libre Office, VLC multimedia player, and others.

The obtained results from the development of Multiseat using Ubuntu GNOME 16.04 LTS are a device that can be used for more than two user simultaneously. Multiseat also can be used to operate all of the software that available on the operating system by each user at the same time. Device performances that showed by system monitor become a proof that Multiseat doesn't need specific device for the development.

Key words: Multiseat, Ubuntu GNOME 16.04, Desktop Virtualization, X.org, X
        server, Expansion Card, s*ystemd*.