

ABSTRACT

Simulator General X-ray is a tool to facilitate medical appliance technicians in studying of the systems general x-ray without fear of the bad effect. On this tool, researchers designed LVC control with automatic system and Interlock control.

The methode used is one group post test design. On this design, researchers only see the result of treatment without have the comparasion group and control group. LVC control measurement performed on the input voltage of the appliance. Interlock control measurement performed on locking performance that has been in the program .

Based on trials after treatment on control LVC the obtained an average error between calculation and measurement of 2,93%. In the interlock control works well the appropriate commands have been given. it can be concluded general simulator x-ray at LVC control and interlock control that works fit for use.

Keyword: Simulator General X-ray, LVC, interlock