

## ABSTRACT

The pilot classrooms of Institute Technology Telkom consist of B107, B109 and B110 rooms. They are designed to support activities using laptop (computer based) called Visual Display Terminal (VDT). Unfortunately, matter fact it is less ergonomic for user.

It can be seen from the results of the evaluation using the evaluation checklist, and direct measurement using the software ErgoEASER. For the ergonomic evaluation of a particular VDT work station using the method of VDT evaluation checklist and the result that the total "no" answer is 38.95%, and although smaller than the total "yes" answer is 61.05% for all questions in the VDT evaluation checklist obtained the temperatures are 55.60% of the sample being measured in the morning and 11,10% of the samples was measured in the afternoon having a temperature below the interval, at the level of lighting and noise levels the result is 100% under the interval. It can be concluded that the pilot classrooms of IT Telkom have appropriate ergonomic conditions but on the other side less on temperature, lighting levels, noise levels, and rooms's display which not correspond to ideal conditions should be. Evidents of unergonomic rooms happened come away from the results of anthropometric data processing of students and VDT class-dimensional data by using ErgoEASER software because there are still a lot of potential strain (sore point) because the conditions are not ideal.

The design of new classrooms to consider the results of the evaluation has been done, and to new dimensions or conditions that will be made concern to existing standards and anthropometry data and student activity in the room to create an ergonomic VDT. There is also increasing the number of air conditioning and lighting as well as replacement of display color of the curtains with sky blue color, floors and chairs with orange color.

Key words : Evaluation of Classroom, Visual Display Terminal (VDT), Ergonomics, Physical Work Environment, Anthropometry.