GEOGRAPHIC INFORMATION SYSTEM APPLICATION FOR INVENTORY
EDUCATION FACILITY IN FTSP ITS LABORATORY

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ABSTRACT

Inventory of a existing facility in campus specially in this case existing
education facility in laboratory represent the complex work and is not easy to. For that
required a good management and regular, inclusive of making a information system
(database) reliable, to be all information user always know the last growth and
information (up to date) concerning the laboratory.

Geographic Information System (GIS) enabling to finish the problems with the
strength analyse the spatial owned GIS can give the solution alternative by integrating
data of geographic and attribute data at one particular area geographic analysed. By
using software supporting GIS, ArcView which can do the visualisation, exploring,
replying query (spatial database and also non-spatial), analysing data geographically,
making a thematic map which can be used to assist the management and operation of
existing facility in laboratory. By ArcView a user earn easily manage the database,
monitoring equipment of facility, analysing condition of existing facility per a given
time period, planning and developing any kind of which require to be added and which
require to be bought, ArcView can support the decision making all user in problem
attitude in laboratory related to existing facility in it.

Keyword: Inventory of Education Facility in Laboratory, Geographic Information
System.