

"SAGE CLASSROOM: A PROPOSED MODEL OF BASIC EDUCATION INSTITUTION USING GREEN BUILDING MATERIALS"

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ABSTRACT

This study, "Sage Classroom: A Proposed Model of Basic Education Institution using Green Building Materials", was made in search for a solution to address the problem of the shortage of classrooms brought about by expensive conventional materials used in building.

During the old days, our ancestors build their houses and other needed structures using the readily available materials within the vicinity where such structure will be build. The said practice was very much convenient to them because they no longer need to order or wait for the delivery of the materials before they can start the construction. Also, it was low-cost because the sources of the materials were abundant and just within the vicinity. On the other hand, what is being practiced nowadays is far more different to what our ancestors used to have. The new methods and techniques conveyed by technology and globalization may have brought development to the system of architecture; however, along with it were some undesirable and unwanted aspects. Like for instance, the monetary value of the conventional materials are very high due to its production; then, the production of the conventional materials caused pollutions, which are evident in the smoke emitted by the factories; and lastly, the time frame of the construction is then prolonged due to the waiting of the delivery of the said conventional materials.

Through a descriptive and comparative research method, data acquisition for the study was performed through a series of research works, study of related projects, ocular visits, interviews and consultations. The project proposal resulted to a school building using natural building materials which can reduce the total development cost of the project.

The architectural space provision for the project was based from extensive data gathering and ocular visit of public elementary schools. Therefore, the project proposal may be measured as a model school to serve as an eye opener that everything in this earth can be used as materials to address the shortage of classroom due to costly conventional materials.

A Proposed Model of Basic Education Institution using Green Building Materials

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