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**INTERLOCKING BRICK IBS**

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## **ABSTRACT**

IBS Interlocking Brick one of the alternative design and construction type that we can have now in Malaysia with take the nature and green house concept the building end develop based on all Al Ansar IBS PLT construction project. This report was conducted for all contractor that use Interlocking Brick that Al Ansar IBS already has been using it for the past year. The objective of this report is to show the Interlocking Brick and how far it fulfills the requirements in the guideline. With use a loadbearing wall design we will change the old conversional type of construction with advantages that this IBS Interlocking Brick can offer to us. The most important consequences of this report is to compile all about Interlocking Brick type and how to build a house that Al Ansar PLT already use for a year in a each project that this company already run.

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## CHAPTER 1.0

### INTRODUCTION

#### 1.1 Background of Study

In summary, IBS is a building construction system using components that have already been manufactured in the factory such as walls, columns, floors and steel trusses before being sent to the construction site for installation. Next, this system was adopted about a century ago in America and Europe known as prefabricated construction. Then, IBS has gained by Al Ansar IBS PLT and IBS blocks are more short time and cost saving than regular bricks. Also IBS makes the house cooler, airtight, heat resistant, soundproof, complete construction 1-2 months only & most importantly get 40% saving.

After that, advantages of using Interlocking bricks is improve construction quality and productivity, standard size design, speed up construction period, harder & stronger than ordinary bricks, reduce dependence on foreign workers, reduce up to 30% of project cost also environmentally friendly.