DESIGN OF A HILLSIDE TIMBER BUNGALOW

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ABSTRACT

Hillside bungalows are popular as holiday homes for the affluent and the purpose of this project report is to build a hillside timber bungalow. The hillside timber bungalow will be built as a single floor and located at Kayangan Heights, Shah Alam. The bungalow will be able to accommodate a family of six as well as to be able to host occasional parties. Besides that, a car park will be built in front of the bungalow and a helicopter landing pad will also be available on the roof of the bungalow.

Description of the materials used for this project will be discussed in this project report. A brief discussion on the helicopter chosen for the bungalow will also be included. Based on the existing codes available, BS 8110 (Part 1) and MS 544 (Part 2), design calculations of the reinforced concrete slab, beams, columns and pad footings will be included.

To better illustrate the final design of the hillside timber bungalow, an architectural as well as structural layout plan will be included in the project report.