

# **Designing of Timber Chalets Surrounding the Lake of INTI International University**

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## **ABSTRACT**

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A ring of chalets linked by a timber walkway and on top of the lake that located at INTI INTERNATIONAL UNIVERSITY (near football field) is proposed as a means of providing a short term accommodation for students prior to exams or project deadlines as well as for visiting lecturers. The timber chalets will be built as a single floor. Besides that, timber jetty will be built at the end of the timber walkway which provided students or lecturers a place for outdoor activities like fishing and exercising. The timber chalets, timber jetty and timber walkway will be built by using timber only.

Descriptions of the materials for this project will be discussed in this project report. Design calculation of roof, roof joist, beams, columns, flooring and floor joist that correspond to existing safety codes which are BS5268 Part 2 and MS544 Part 2 will be provided in this report.

To better understanding of the design, an engineering drawing as well as structural drawing will be provided.