

UNIVERSITI TEKNOLOGI MARA

**ASSIGNMENT MODEL APPROACH FOR
PLANNING AND ALLOCATING
GOVERNMENT TENDERS**

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STUDENT'S DECLARATION

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

In this research, the concept of assignment problem was applied to solve a problem for government department (Jabatan Kerja Raya Perak) which had difficulty is assigning six different tender projects to six different contractors. In this research, tenders projects called as 1, 2, 3, 4, 5 and 6 while contractors called as A, B, C, D, E and F. Based on the data collected, an assignment method known as Hungarian Method was used to solve the problem in obtaining optimal solution. Optimal assignments of the tender projects to the contractors were obtained for the Jabatan Kerja Raya Perak. The results showed that tender projects 1, 2, 3, 4, 5 and 6 should be assigned to contractors F, A, D, B, C and E respectively. The research find that the total optimal cost to be expended on all tender projects was RM 15,040,000 which was lesser than the actual cost.

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