

SAOVAPAK PINIJASAK : COST ANALYSIS OF UNDERGRADUATE PROGRAMME IN
ENGINEERING : A COMPARATIVE STUDY OF CHULALONGKORN UNIVERSITY,
KASETSART UNIVERSITY AND KINGMONGKUT'S INSTITUTE OF TECHNOLOGY
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The purpose of this thesis was to analyze the production cost of engineering programme in Electrical (EE), Mechanical (ME) and Computer Engineering (CE) at Chulalongkorn university (CU), Kasetsart University (KU) and Kingmongkut's Institute of Technology Ladkrabang (KM), The total cost consists of government cost and student's private cost. The government cost excluding land value per graduate engineer from CU were 217,837.54, 304,391.35 and 367,891.24 Baht for EE, ME and CE respectively. For KU, the government cost were 193,551.44, 228,005.90 and 193,509.40 Baht for EE, ME and CE respectively. The government cost for EE, ME and CE at The Kingmongkut's Institute of Technology Ladkrabang were 246,282.40 313,410.68 and 277,899.43 Baht. When land value was considered, the government cost per graduated engineer from CU were 705,139.23 781,827.88 and 854,454.46 Baht respectively for EE, ME and CE. The government cost were 585,944.41, 595,856.10 and 574,500.03 Baht for EE, ME and CE respectively at KU. Finally, the government cost of EE, ME and CE were 274,419.25, 340,980.63 and 305,452.26 Baht respectively for KM.

The student's private cost for different departments and institutions were statistically and significantly different. The student's private cost per year for EE, ME and CE were 25,541, 26,478.73 and 22,992.51 Baht respectively for CU. While the private cost per year of EE, ME and CE from KU were 26,741.67, 24,213.30 and 31,851 Baht respectively. For KM, the student's private cost for EE, ME and CE were 31,581.23, 30,842.50 and 24,176.28 Baht respectively. The student's private cost of each department and institution were differed in the following items : food expenses, transportation cost to university, clothes and leisure expenses and others.

The total cost of engineering program were significantly supported by the government.