

UNIVERSITI TEKNOLOGI MARA

**ANALYSING ROBUST MACROECONOMICS
FACTORS THAT INFLUENCE THE GOLD
PRICE CHANGES USING FUZZY LOGIC**

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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

Gold is a valuable value that can help to stabilize the currency in the country. However, there are a few factors that can shift the Gold price. From the previous researcher, they had identified that macroeconomics had influenced the gold price changes. The objective of this study is to identify the primary macroeconomics factors that impact gold price changes. The macroeconomics factors involve the Inflation Rate, Gross Domestic Product, Exchange Rate, and Crude Oil Price. The method that had been applied in this study is Fuzzy logic. For this method, three gold experts were chosen to complete the inference system rules to complete the inference system in Fuzzy Logic. The inputs are microeconomic factors, and the output is Gold Price. The highest output had been chosen to identify which factors that involve in the gold price change. From this finding from three experts, the result exposed that the exchange rate and crude oil are the strongest macroeconomics factors.

Keywords: Gold Price, Inflation Rate, Gross Domestic Product, Exchange Rate and Crude Oil Price, Fuzzy Logic

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