Reviewer’s report

Title: Evidence on the magnitude of the economic, health and population effects of palm cooking oil consumption: An integrated modelling approach with Thailand as a case study

Version: 0 Date: 09 Jan 2019

Reviewer: Sophia Ismail

Reviewer's report:

Please clarify the following

1. The changes in the ratios of fatty acids consumed are translated to changes in total-to-HDL cholesterol ratio using parameters from the literature — In the reference used here, there were no significant changes in the Total C/HDL ratio when palmitic acid was replaced. Since the biggest culprit in atherogenicity of palm oil is palmitic acid, were these the right parameters to input into the model?

2. What is the percentage of contribution of vegetable oils as SFA in the daily energy intake? Does this also have a geographical variation in Thailand that may affect the disease burden?

3. Why is the consumption of palm oil for cooking favoured in the regions that produces it? I believe that commercialisation of the food industry is able to reach the entire Thailand. Differences in consumption across the regions could also be due to the different dietary patterns across the different regions?

Level of interest
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An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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