

**EXPANDABLE AND FOLDABLE KITCHEN TABLE FOR
LIMITED HOME SPACE**

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AUGUST 2021

ABSTRACT

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Nowadays, the construction of kitchen cabinets is very expensive in conjunction to the limited kitchen space especially for terrace type residential houses and apartment flats. The purpose of this project is to design a multi-functional kitchen table that is suitable to be placed in a limited home space. A virtual prototype of an expandable and foldable kitchen table was produced using SketchUp 3D Design software. Next, a questionnaire was conducted to obtain respondents' feedback data on product features based on the virtual prototype. A set of questionnaires was distributed using Google forms to 208 respondents with different backgrounds in terms of gender, age, profession, and income. Based on the results, it was found that the design factor had the highest mean value ($M = 4.68$), followed by satisfaction ($M = 4.55$) and marketing ($M = 4.40$). In general, the comparative analysis indicated that most respondents gave a score above 4.50 which implies that respondents strongly agree on all factors. Correlation analysis of design and market toward satisfaction revealed a strong positive correlation (r -value > 0.70). It can be concluded that the expandable and foldable kitchen table has modern design features, affordable and easy to operate suitable for contemporary home furniture.

ACKNOWLEDGEMENTS

Alhamdulillah, first and foremost, I would like to convey my appreciation to Allah, through whom in His grace I have the most precious opportunity to complete this study and also to grant me peace of mind to resolve all the challenges and difficulties in completing the task properly.

Additionally, thank you also to my project coordinator and also my supervisor, Dr. Siti Zalifah binti Mahmud for guiding us to complete this project. It has been a great experienced and exposures for me that I have earn more than just what I expected. I really appreciated to my supervisor because spend her time to make sure my thesis is complete.

Besides that, I would also like to thank my family members for their advice and support to complete my project. And also thank you to my friends for sharing a lot of knowledge about the work to do and provide a lot of information for me to complete my project completely. I'm so grateful and appreciate to everyone that help me in a accomplish this project. Thank you very much.



(Al-Hilmi bin Mohamad Asri)

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