

Journal of Business Management Education (JBME)



Journal homepage: http://ejournal.upi.edu/index.php/jbme/

"Brand Credibility and Customer-Based Brand Equity in Mobile Health Applications"

Puspo Dewi Dirgantari, Masharyono, Yusuf Murtadlo Hidayat

Universitas Pendidikan Indonesia

*Correspondence: E-mail: puspodewi@upi.edu

ABSTRACT

By comparing brand credibility (BC) and customer-based brand equity (CBBE), this study aims to establish a strong brand for health mobile applications in Indonesia. In-depth and extensive literature searches were used to perform the study, along with the distribution of questionnaires. 200 persons made up the samples that were collected. The technique is convenience-based (convenience sampling) and uses a Likert scale. To assess the data, structural equation modeling was employed. The findings indicate that brand power is fairly high among Indonesian consumers of health mobile applications. The BC variable influences CBBE. The greatest factor in the creation of CBBE is the Brand Performance component.

ARTICLE INFO

Article History:

Submitted/Received 15 Jul 2023
First Revised 24 Jul 2023
Accepted 23 August 2023
First Available online 25 September 2023
Publication Date 30 September 2023

Keyword:

Mobile Application, E-health, Brand Credibility, Customer-Based Brand Equity.

© 2023 Kantor Jurnal dan Publikasi UPI

1. INTRODUCTION

Due to their extensive range of functionality, mobile applications can be used for a variety of tasks, including calling, messaging, browsing, chatting, social network communication, audio, video, gaming, and more (Islam & Mazumder, 2010), so that during the Covid-19 pandemic, digital industry participants innovated in the field of health technology by creating an e-health mobile application. Healthcare practices have seen a considerable transition recently as a result of the increasing adoption of mobile technology and the integration of smartphones into daily life (Ma et al., 2014). Applications for mobile health, or simply "health apps," have become important resources for patients and healthcare professionals.

According to Al-Rimawi et al. (2016) and Mettler & Raptis (2012), e-health provides high-quality, affordable, equitable, and tailored health care services. E-health services include online doctor consultations as one of its offerings. Additionally, the e-health platform makes it easier to schedule medical appointments. It also provides access to an online pharmacy where users may obtain the prescription drugs they need to stay healthy.

There is fierce competition among firms for users' attention and loyalty in the market for health apps. Users are concerned not only with an app's usefulness and functionality, but also with the brand's legitimacy and dependability. In this context, credibility includes elements like the veracity of the health data, data security, privacy protection, and the dependability of the sources used. Users frequently entrust health applications with their most private and sensitive information, therefore trust and credibility concerns weigh heavily on their decision-making process.

According to Keller (2001; 2013), brand equity is the added value that customers or users bring to a company's goods or services. Users frequently choose products or services with high brand equity over those with low brand equity (Roy & Chau, 2011, Farjam & Hongyi, 2015). Consumer-based brand equity (CBBE), which is defined as the difference in user perceptions of known and unknown brands (Riaz et al., 2014), is the term used when brand equity reflects the user or user perspective (Gürhan-Canli et al., 2016). Profits, prices, and customer loyalty will all be impacted by low CBBE (Xu & Chan 2010; Dirgantari et al., 2022).

According to Ahmed, Talreja, and Naz (2018), endorser credibility and brand credibility are thought to increase CBBE. Brand Credibility (BC) is the conviction that a brand's product information is accurate and reliable, requiring "consistency" in keeping promises. Users will make an effort to learn more about a brand, particularly if the market offers imperfect (or asymmetric) information. The brand can serve as a symbol or signal in this case, but it must also be reliable or trustworthy (Erdem & Swait, 2004). Ahmed, Talreja, & Naz (2018) suggested that endorser credibility and brand credibility are believed to have a positive effect on increasing CBBE. Brand Credibility (BC) is a belief that contains product information contained in a brand, requiring "consistency" in delivering what is promised. Users will try to get information about a brand, especially when the information available in the market is not perfect (not asymmetrical). In such a situation, the brand can function as a symbol or signal, which must be credible or trustworthy (Erdem & Swait, 2004).

Thus, the purpose of this study is to build a strong brand of health mobile applications in Indonesia by analyzing the effect of brand credibility on costumer based brand equity.

2. METHODS

This study uses quantitative methods with primary and secondary data sources. In the primary study, the authors found more specific data regarding building a strong brand of

health mobile applications in Indonesia through an analysis of the effect of endorser credibility on brand equity in the user's perspective through brand credibility with a questionnaire.

Dimensions for Brand Credibility (BC) used include (1) Expertise and (2) Trustworthness [37]. Then the dimensions of customer-based brand equity (CBBE) consist of (1) Brand Salience, (2) Brand Performance, (3) Brand Imagery, (4) Brand Judgment, (5) Brand Feelings, (6) Brand Resonance (Keller, 2001; Keller, 2013). The complete research model is shown in Figure 1. The number of samples obtained is 200 people using purposive sampling.

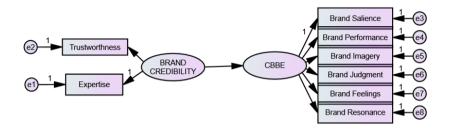


Figure 1. Research Model

3. RESULTS AND DISCUSSION

Figure 3 SEM results show that brand credibility variable has a significant influence on the CBBE variable with the loading factor is 0.67. The results of this study are in line with previous research, good brand credibility has a role to increase brand equity (Spry, Pappu & Cornwell, 2011).

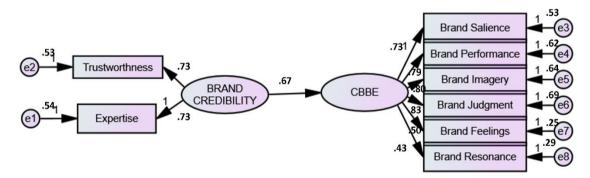


Figure 2. SEM Results

Goodness of Fit is a test of fit between the model and the data. Table 1 shows the results of the goodness of fit test, where the values of Cmin/df < 2.00, RMSEA < 0.08, and the values of AGFI, GFI, CFI, NFI and TLI are all greater than 0.90. This provides information that the measurement model fits the data.

Index Criteria Results Fit/Not Fit 111.418 χ2 df 74 Cmin/df < 2.00 1.988 Fit **RMSEA** <.08 0.048 Fit GFI >.90 0.942 Fit **AGFI** >.80 0.890 Fit NFI >.80 0.958

Table 1. Goodness of fit.

PNFI	>.05	0.638	Fit	
IFI	>.50	0.975	Fit	
TLI.	>.90	0.962	Fit	
CFI	>.90	0.975	Fit	

where

 $\chi 2$: The Chi-Square value DF : Degree of freedom P value : Calculated Probability

RMSEA : Root mean square error of approximation

GFI : Goodness-of-fit statistic

AGFI :Adjusted goodness-of-fit statistic

NFI : Normed-fit index

PNFI :Parsimonious Normed Fit Index

IFI : Incremental Fit Index

4. CONCLUSION

The objective of this study is to develop a strong brand for health mobile applications in Indonesia by examining the relationship between Brand Credibility (BC) and Customer-Based Brand Equity (CBBE). The results show that Indonesian users of health mobile apps have a high level of brand power. BC has an impact on CBBE. The CBBE configuration is largely influenced by the Brand Performance dimension. CBBE will be impacted if brand credibility in regular advertising rises. The goal of this study is to analyze the impact of Brand Credibility (BC) against customer-based brand equity (CBBE) to establish a strong brand of health mobile applications in Indonesia. According to the findings, health mobile app users in Indonesia have a high level of brand power. CBBE is affected by BC. The Brand Performance dimension has the most impact on CBBE formation. If brand credibility in regular commercials increase than CBBE will be affected.

6. REFERENCES

- Ahmed, A., Talreja, S., & Naz, H. (2018). Building Consumer-Based Brand Equity in Retail Banks: A Quantitative Study On a Pakistani Star Bank. *ETIKONOMI*, 17(2), 253-264.
- Al-Rimawi, R., Dwairej, D., Masadeh, A., Al-Ananbeh, E., & Muayyad, A. (2016). E-health concept development and maturity in literature. *Journal of Health, Medicine and Nursing, 29,* 156-166. https://iiste.org/Journals/index.php/JHMN/article/view/32671
- Bill Xu, J. and Chan, A. (2010), "A conceptual framework of hotel experience and customer-based brand equity: Some research questions and implications", International Journal of Contemporary Hospitality Management, Vol. 22 No. 2, pp. 174-193. https://doi.org/10.1108/09596111011018179
- Dirgantari, P. D., Hidayat, Y. M., Machmud, A., & Fachrulamry, D. M. R. (2020). Intention to use mobile commerce in Indonesia with technology acceptance model approach. *Journal of Engineering Science and Technology,* 15(6), 4171-4181. https://jestec.taylors.edu.my/Vol%2015%20issue%206%20December%202020/15 6 43.pdf
- Erdem, T., & Swait, J. (2004). Brand credibility, brand consideration, and choice. *Journal of consumer research,* 31(1), 191-198. https://doi.org/10.1086/383434
- Farjam, S., & Hongyi, X. (2015). Reviewing the concept of brand equity and evaluating consumer-based brand equity (CBBE) models. *International Journal of Management Science and Business Administration*, 1(8), 14-29.

- Gürhan-Canli, Z., Hayran, C., & Abi, G. S. (2016). Customer-Based Brand Equity in a Technologically Fast-Paced, Connected, and Constrained Environment. *AMS Review*, *6*(1-2), 23-32. https://doi.org/10.1007/s13162-016-0079-y
- Islam, R., Islam, R., & Mazumder, T. (2010). Mobile application and its global impact. *International Journal of Engineering & Technology*, 10(6), 72-78.
- Keller, K. L. (2009). Building strong brands in a modern marketing communications environment. *Journal of marketing communications*, 15(2-3), 139-155.
- Keller, K.L. (2001) Building Customer-Based Brand Equity. Marketing Management, 10, 14-21.
- Khadim, R. A., Hanan, M. A., Arshad, A., Saleem, N., & Khadim, N. A. (2018). Revisiting antecedents of brand loyalty: Impact of perceived social media communication with brand trust and brand equity as mediators. *Academy of Strategic Management Journal*, 17(1), 1-13.
- Ma, L., Gu, L., & Wang, J. (2014). Research and development of mobile application for android platform. *International journal of multimedia and ubiquitous engineering, 9*(4), 187-198.
- Mettler, T., & Raptis, D. A. (2012). What constitutes the field of health information systems? Fostering a systematic framework and research agenda. *Health informatics journal*, 18(2), 147-156. https://doi.org/10.1177/1460458212452496
- Riaz, M. M., Kumaresan, D., Aruna, K., & Raj, K. V. C. M. (2014). Consumer-based brand equity: Improving the measurement-empirical evidence. *IOSR Journal of Business and Management*, *16*(5), 25-30.
- Roy, R., & Chau, R. (2011). Consumer-based brand equity and status-seeking motivation for a global versus local brand. *Asia Pacific Journal of Marketing and Logistics, 23*(3), 270-284. https://doi.org/10.1108/13555851111143213

DOI: https://doi.org/10.17509/jbme.v8i2 p- ISSN 2715-3045 e- ISSN 2715-3037