

EFFECTS OF GREEN PRODUCT AND GREEN ADVERTISING TOWARD PURCHASE DECISION

Vanesha Rahmania, (Corresponding author)

Universitas Sriwijaya, Faculty of Economy, Graduate School, Indonesia,
rahmaniavanesha@gmail.com

Sulastri

Universitas Sriwijaya, Faculty of Economy Graduate School,
Indonesia, sulastri@unsri.ac.id

Zakaria Wahab

Universitas Sriwijaya, Faculty of Economy, Graduate School,
Indonesia, zkwahab@yahoo.com

We suggest you to cite this article as:

Rahmania, V., Sulastri, Wahab, Z. 2020. Effects of Green Product and Green Advertising Toward Purchase Decision. *Junior Scientific Researcher*, Vol VI, No. 2, pp. 34-44.

Abstract

The present empirical study aims to determine the effects of green products and green advertising on purchasing decision with buying interest as a mediating variable. The sample of the study consist of 10 It is a case study investigating the Body Shop's consumers that also have an account the Instagram social media platform. The respondents were chosen using non-probability sampling. The primary data were collected using a questionnaire containing 31 statements in google form format and the data were analyzed using Structural Equation Modeling (SEM). Smart PLS software was used test the variables and the results show a substantial positive effect of green products and green advertising toward purchase decisions for the Body Shop users on Instagram. The study also reveal a significant positive effect of green products and green advertising toward buying interest,

Keywords: *green product, green advertising, purchase decision, buying interest*

JEL Classification: *I2, M3*

Introduction

The concept of Green Marketing has been introduced by Bell and Emeri, and Feldman since 1971. They claimed that the marketing concept has been misplaced because this concept only satisfies consumer desires but ignores environmental interests (McDaniel and Rylander, 1993). The term Green Marketing has emerged in the late 1980s to early 1990s. Hawkins and Mothersbaugh (2010) explain that the concept in product management consists of the production process, use, and disposal of waste products which do not endanger the environment as regular products would. It involves organizations and events that pay attention to the environment and that sell with going green theme. It has led to competitive advantage through superior product attributes that can help companies achieve competitive advantage (Reinhardt, 1998).

Some companies that are sensitive to environmental issues have begun to develop various ways to attract consumers who respect the environment. It is done to turn business as a problem to environmental issues into as a part of the solution to the issue, and more

importantly to focus on the dynamics between the business community and its environment (Peattie, 1995). Chen and Yan 2019) on Theory of Reasoned Action (TRA) by Fishbein and Ajzen since 1991 explain that consumer purchase interest is basically influenced by subjective attitudes and norms which in are influenced by beliefs in positive opinions from others. One positive strategy to introduce green products to attract buying interest and purchase decisions is by familiarizing green advertising (Kusumawati, 2019).

Chen and Chai 2010) describe green advertising as a demonstration why green products are good. Green advertising promotes product characteristics, product management processes, and policies carried out by companies. Banerjee, Gulas and Iyer 1995) point out the discussions in the advertisement are about products and the environment in which the combination of both try promotes green lifestyle and shows a positive image of an environmentally responsible company. Kumar and Ghodeswar 2015 and Lestari, Yulisetiari and Sriono 2015) in their study on green product and green advertising recommended similar results in which they explain green product variables and green advertising have positive effects on purchase decisions. While Wahab *et al.* 2017) found out that green advertising has no significant effect on purchase decisions. Based on the previous discussions, it was shown that research findings used as references in this current study are still varied.

The Body Shop is a cosmetics company which uses Green Marketing strategy. The green marketing strategy it carries out through its campaigns is not only aimed at attracting the most possible customers but also aims to increase consumer awareness of the products value on environmental safety. Product development, production, energy and waste management, consumer protection, environmental and social policies are implications of a company's consistency in environmental values (Prima, 2016).

Table 1. The Body Shop Product as Top Brand in 2019

Body Mist			Body Butter / Body Mist		
Brand		TBI 2019	Brand		TBI 2019
The Body Shop	35.0%	TOP	The Body Shop	30.9%	TOP
Victoria Secret	9.5%		Oriflame	19.4%	TOP
Natural Beauty	9.4%		Mustika Ratu	13.2%	TOP
Elvia	6.1%		Wardah	9.0%	
Lovana	6.1%		Dove	8.3%	

source: <https://www.topbrand-award.com>

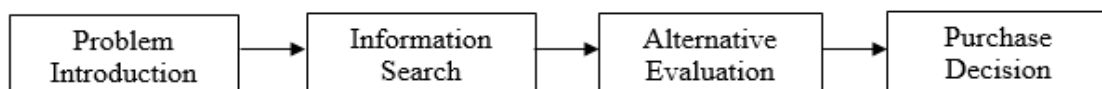
Table 1 shows that The Body Shop is 2019 Top Brand in body mist and body butter categories. This cannot be separated from the role played by consumers of The Body Shop products. The body shop has demonstrated that its products are environmentally beneficial. The company applies a "triple bottom lines" approach that directs its business to measure the success of profit, people, and the planet. Based on the Beauty Journal, "Currently, Green Product themed cosmetic products are in demand by teenage and adult women. Cosmetic products made from organic and environmentally friendly ingredients have many health benefits compared to chemical-based cosmetic products such as the cancer-inducing mercury. They are much healthier to use than chemical cosmetics and the vitamins in them were absorbed into the body faster (Widianti, 2020). It is concluded that green products are in demand by consumers the majority of whom are women because they are made from organic ingredients and are very safe to use as beauty products.

Literatur Review

Purchase Decision

As reported Kotler & Armstrong (2016) the purchase decisions are part of consumer behaviour which was described as how individuals, groups and organizations choose, buy, and use goods, services, ideas or experiences satisfy their needs and desires. Peter & Olson (2000) describe purchasing decisions as a process of combining knowledge the purpose of which is to evaluate two or more alternative behaviours and then choose the best. Furthermore, the four-stage model purchasing decision process according to (Kotler and Armstrong, 2012) is as follow:

Graph 1. Stages in Purchase Decision Process



Buying Interest

Theory of Reasoned Action (TRA) was first introduced by Martin Fishbein and Ajzen since 1975. This theory connects belief, attitude, intention and behaviour. Intention is the best predictor of behaviour. This relationship is supported by various studies (Agustin, Kumadji and Yulianto, 2015; Kartikasari, Dimiyati and Sukarno, 2018; Kristinae, 2018; Sriyanto and Kuncoro, 2019) which revealed that buying interest variables have a positive and significant effect toward purchase decisions. The stages of purchase interest through the AIDA model developed (Kotler and Armstrong, 2012) are as follow:

1. Attention. At this stage, the consumer learns the products offered to him, the consumer assesses whether the product suits their needs.
2. Interest. Consumers at this stage begin to become interested in buying a product, after getting information about the product they are interested in.
3. Desire. At this stage, consumers begin to be interested in the product of their choice.
4. Action. Consumers have decided to buy and use the products they want.

Green Product

Green Product is the product designed not to pollute the environment either from its production, distribution, and consumption. Besides its durability, it is recyclable, free from chemicals and toxins and is good for consumers' use. In addition, it is entirely harmless to natural resources and does not involve cruelty to animals (Polonsky, Rosenberger and Ottman, 1998). D'Souza *et al* 2006) in their research explain the dimensions in green products or environmentally friendly products, as follows:

1. Product perception. Consumers see green products or environmentally friendly products as products that are not harmful to animals and the environment.
2. Packaging. Product packaging presents to customers certain elements and is seen to be related to environmental concerns.
3. Composition. The content of Recycled materials can justify use at a certain limit and can claim for overall use at a lower level and minimum damage to the environment.

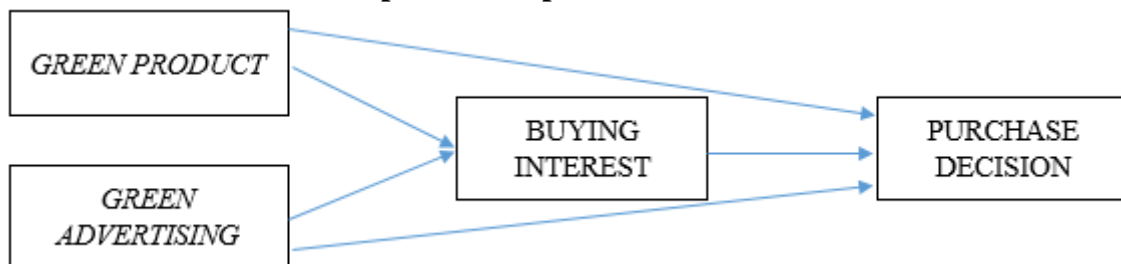
Green Advertising

Fowler and Close (2013) indicates Green advertising as an activity that promotes awareness of environmental problems and suggests consumer behaviour to minimize or repair environmental damage. Moreover, Karna and Juslin (2001) state advertisements that concern environment has the following criteria: explicitly or implicitly showing the relationship between the product and the biophysical environment.

Conceptual Framework

Based on the discussions in the literature review, the hypothesis in measuring the effect of green products and green advertising on buying interest and purchase decisions is as shown in graph 2:

Graph 2. Conceptual Framework



Source: Made by the author

- H1: Green product has a significant effect on purchase decisions.
- H2: Green advertising has a significant effect on purchase decisions.
- H3: Green product has a significant effect on buying interest.
- H4: Green advertising has a significant effect on buying interest.
- H5: Buying interest has a significant effect on purchasing decisions.
- H6: Buying interest mediates the relationship between green product and purchase decision.
- H7: Buying interest mediates the relationship between green advertising and the purchase decision.

Methods

Population and Sample

The target population in the study is represented by the consumer of The Body Shop products with specific characteristics (Bilson, 2004). The population used in this study consists of 741 users of Instagram social media platform. I choose Instagram users because this social media is very popular with all groups, both children, teenagers and parents and some of them regularly use the body shop products, of course the advantage for the body shop companies is that they sell their products, one of them through social media.

The sample was taken by a polling system, using an application on Instagram, a social networking service that is currently frequently used. Instagram is a multifunctional application because it is not only limited to providing or receiving information, but also selling or buying products. In this study I examined followers on my own Instagram network which had 741. After I choose respondents to fulfilled

the characteristics needed for the present exploratory study, there remained 103 respondents who matched the criteria determined by the researcher.

Data collection

The data were collected using a questionnaire with a Likert scale that was designed in the google form format that allowed us to disseminate it online. It was distributed through the Instagram social media application via direct message.

Data analysis

This research uses descriptive and quantitative analysis. The analysis serves to describe the frequency distribution of respondents' answers about the research variables. While quantitative data obtained through questionnaires distributed to respondents were analysed using Structural Equation Modelling (SEM) analysis using Partial Least Square (PLS) software.

Descriptive Statistic

The sample of this study consist of 103 respondents and at the beginning there were analysed the structure of the respondents in terms of gender, age, education, status, work, income. Explanation of the characteristics in their diploma and bachelor's education level, the majority of them already have an income so they use the body shop products for their cosmetic purposes considering the price of the body shop products are expensive, in terms of status, most of them are not married who use these products because they really need care and of the 103 female respondents it was the most frequent use of the body shop products They are described in table 2.

Table 2. Respondent Data

No	Category	Number (N)	Percentage (%)
1	Gender		
	Male	5	5%
	Female	98	98%
2	Age		
	24-25 years old	48	48%
	25 – 30 years old	55	55%
3	Education		
	Diploma	33	33%
	Bachelor	70	70%
4	Status		
	Single	60	60%
	Married	43	43%
5	Income/Month		
	4.500.000-6.000.000	49	49%
	6.000.000-10.000.000	34	34%
	>10.000.000	20	20%
	Total	103	100.00

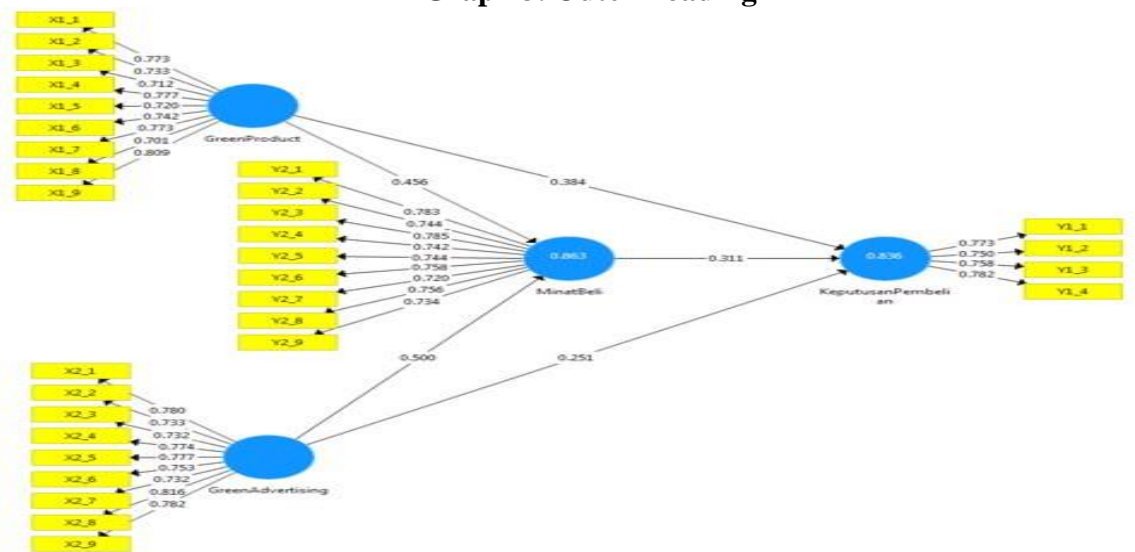
Source : processed data, 2019

Based on Table 2 above, most respondents are female, 98 people (95%), and 5 people (5%) were male.

Quantitative Analysis

Testing of research instruments was carried out through validity and reliability tests. A questionnaire is declared valid if the questions on the questionnaire are able to reveal something that will be measured by the questionnaire. The convergent validity of the measurement model with reflexive indicators is based on recommendations between the item scores / component scores estimated by the PLS software. The validity test of indicators in PLS modeling can be done using convergent validity and a measurement model with reflexive indicators which can be seen from the indicator between the item score / indicator and its construct (loading factor) which can be seen from the outer loading output. Output outer loading estimation result from PLS Algorithm.

Graph 3. Outer Loading



Source : Processed data, 2019

The details of the validity test results are very important for my research because, validity is used to develop and evaluate a study, and also validity needs to be done to test whether or not the construct of questions that define a variable is feasible

Table 3. Validity Test(Convergent Validity)

Variable Indicator	Green Product	Green Advertising	Purchase Decision	Buying Interest
X11	0,773			
X12	0,733			
X13	0,712			
X14	0,777			
X15	0,720			
X16	0,742			
X17	0,773			
X18	0,701			
X19	0,809			

X21	0,780	
X22	0,733	
X23	0,732	
X24	0,774	
X25	0,777	
X26	0,753	
X27	0,732	
X28	0,816	
X29	0,782	
Y11		0,773
Y12		0,750
Y13		0,758
Y14		0,782
Y21		0,783
Y22		0,744
Y23		0,785
Y24		0,742
Y25		0,744
Y26		0,758
Y27		0,720
Y28		0,756
Y29		0,734

Source: Processed Data, 2019

Based on the outer output loading, in all indicators for each construct, the loading factor has met the convergent validity with loading factor score more than 0.7. Based on the output outer loading, it can be seen that the loading factor results of all indicators for each construct have met the convergent validity, because all loading factor values are > 0.7. output cross loading It can be seen that the correlation of each indicator with its construct is higher than with other constructs. This shows that the latent construct predicts indicators on its own block better than indicators on other blocks.

Table 4. Validity Test (Discriminant Validity)

Variable	<i>Green Product</i>	<i>Green Advertising</i>	Purchase Decision	Buying Interest
X1_1	0,773	0,676	0,657	0,681
X1_2	0,733	0,603	0,632	0,652
X1_3	0,712	0,660	0,681	0,666
X1_4	0,777	0,717	0,714	0,695
X1_5	0,720	0,621	0,649	0,632
X1_6	0,742	0,683	0,660	0,713
X1_7	0,773	0,673	0,667	0,702
X1_8	0,701	0,655	0,635	0,607
X1_9	0,809	0,704	0,690	0,717
X2_1	0,728	0,780	0,703	0,732
X2_2	0,690	0,733	0,591	0,654
X2_3	0,660	0,732	0,673	0,707

X2_4	0,660	0,774	0,628	0,656
X2_5	0,729	0,777	0,675	0,720
X2_6	0,593	0,753	0,636	0,679
X2_7	0,680	0,732	0,675	0,645
X2_8	0,753	0,816	0,743	0,768
X2_9	0,615	0,782	0,682	0,654
Y1_1	0,688	0,642	0,773	0,641
Y1_2	0,698	0,655	0,750	0,726
Y1_3	0,661	0,703	0,758	0,718
Y1_4	0,672	0,677	0,782	0,619
Y2_1	0,703	0,697	0,673	0,783
Y2_2	0,713	0,693	0,667	0,744
Y2_3	0,683	0,660	0,649	0,785
Y2_4	0,657	0,654	0,635	0,742
Y2_5	0,661	0,683	0,704	0,744
Y2_6	0,631	0,653	0,623	0,758
Y2_7	0,697	0,694	0,712	0,720
Y2_8	0,675	0,696	0,672	0,756
Y2_9	0,665	0,689	0,642	0,734

Source : Processed Data, 2019

Table 5. Reliability Test (Composite Reliability)

Variable	Cronbach's Alpha	Composite Reliability
Green Product	0,902	0,920
Green Advertising	0,911	0,927
Purchase Decision	0,765	0,850
Buying Interest	0,904	0,921

Table 5 shows that the composite score for all variable are more than 0.7. Thus, it is considered reliable. Based on the composite output reliability and cronbach's alpha above, it shows that the value of each construct is above 0.70. So it can be denied that each construct in the estimated model has good reliability

Table 6. R Square Score

Variable	R Square
Purchase Decision	0,836
Buying Interest	0,863

Source : Processed Data, 2019

$$Q2 = 1 (1 - R^2_1)(1 - R^2_2) \dots (1 - R^2_p)$$

$$Q2 = 1 - (1 - 0,863) (1 - 0,836)$$

$$Q2 = 0,977$$

The Q2 score is 0.984, which means the structural model is relevant.

Hypothesis Testing Results

To test the proposed hypothesis, we conducted the t-statistic test. If the t-statistic value exceeds the t-table value ($\alpha = 0.05$) of 1.96 or a probability value of 0.05 and if the positive and negative effects of the variables on the original sample value are suitable, then the hypothesis is accepted. The test results are shown in Table 7:

Table 7. Hypotheses Testing Results

	Hipotesis penelitian	Statistik -t	Probabilitas	Hasil
H1	<i>Green Product</i> -> Purchase Decision	3,888	***	accepted
H2	<i>Green Advertising</i> -> Purchase Decision	2,078	0,038	accepted
H3	<i>Green Product</i> -> Buying Interest	6,814	***	accepted
H4	<i>Green Advertising</i> -> Buying Interest	7,399	***	accepted
H5	Minat Beli -> Purchase Decision	2,131	0,034	accepted
H6	<i>Green Product</i> -> Buying Interest -> Purchase Decision	2,097	0,037	accepted
H7	<i>Green Advertising</i> -> Buying Interest -> Purchase Decision	1,982	0,048	accepted

Table 7 shows for green product and purchase decision, the coefficient of sig is 0.000, t_{count} is 3.888, which is lower than 1.96, and the probability is below 0.05. These indicate that the Green Product variable has a positive effect on Purchase Decisions. While for the effect of Green Advertising toward Purchase, it is specified the coefficient of sig is 0.038 and t_{count} is 2.078, which is lower than 1.96, and the probability value is below 0.05. These imply that the Green Advertising variable has a positive effect toward Purchase Decisions. Advertising is one of the determinants of a purchase decision. For green product and Buying interest, it shows the coefficient of sig is 0.000, the value of t_{count} is 6.814, and the probability value is below 0.05. These suggest that the Green Product variable has a significant effect toward Buying Interest. For green advertising and buying interest, the results show the coefficient of sig is 0.000, $t_{count} = 7.399$, and the probability value is below 0.05. These results indicate that the Green Advertising variable has a positive and significant effect toward Buying Interest. The results for buying interest and purchase decision show that the coefficient of sig is 0.034, t_{count} 2.131, and the probability value is below 0.05. These suggest that the buying interest variable has a positive effect toward purchase decisions.

Purchase interest can be a mediating variable between the green product variable and the purchase decision variable as demonstrated by the sig coefficient of 0.037 and the t_{count} of 2.097, which is lower than 1.96. It means that hypothesis 6 that green product has an effect toward purchase decision through purchase intention is accepted. In this study, buying interest has an indirect effect on the green product variable toward purchase decisions. Therefore, the effect of green products on purchase decisions is more effective if there exists consumers' buying interest. Buying interest can be a mediating variable between the green advertising and the purchase decision variables as indicated by the sig coefficient of 0.048, the $t_{count} = 1.982$ which means that hypothesis 7 that green product affects purchase decision through buying intention is accepted. In this study, buying interest indirectly influences the green advertising variable toward purchase decisions. Green advertising can encourage consumers to buy environmentally friendly products. With the help of green advertising, consumers can understand the relationship of products toward environmental sustainability, in that these products have a positive value in the eyes of consumers.

Conclusion

In the present study green Advertising is the most dominant variable. Through the Body Shop promotion of going green in various media and real-life actions to preserve the environment, it raises consumer awareness of the importance of protecting the environment and makes them trust in green products more. The statement on green advertising resulted in higher consumer confidence in green products. Advertisements captured by consumers can be convincing and trustworthy so that consumers are interested and will decide to buy the product. Green Product variable, in terms of product perception dimensions, the indicator needs to be considered is the green product production process and chemical-free packaging dimension. So that if The Body Shop company pays attention to these, consumer buying interest will increase and they will buy the product.

References

- Agustin, R. D., Kumadji, S. and Yulianto, E. (2015) 'PENGARUH GREEN MARKETING TERHADAP MINAT BELI SERTA DAMPAKNYA PADA KEPUTUSAN PEMBELIAN (Survei Pada Konsumen Non-Member Tupperware Di Kota Malang)', *Jurnal Administrasi Bisnis SI Universitas Brawijaya*, 22(2), p. 85919. Available at: <http://administrasibisnis.studentjournal.ub.ac.id/index.php/jab/article/view/892>.
- Banerjee, S., Gulas, C. S. and Iyer, E. (1995) 'Shades of green: A multidimensional analysis of environmental advertising', *Journal of Advertising*, 24(2), pp. 21–31. doi: 10.1080/00913367.1995.10673473.
- Bilson, S. (2004) *Riset Pemasaran*. Jakarta: Gramedia Utama.
- Chen, L. and Yang, X. (2019) 'Using EPPM to Evaluate the Effectiveness of Fear Appeal Messages Across Different Media Outlets to Increase the Intention of Breast Self-Examination Among Chinese Women', *Health Communication*, 34(11), pp. 1369–1376. doi: 10.1080/10410236.2018.1493416.
- Chen, T. B. and Chai, L. T. (2010) 'Attitude towards the environment and green products: Consumers' perspective', *Management Science and Engineering*, 4(2), pp. 27–39. Available at: <http://50.22.92.12/index.php/mse/article/view/1324>.
- D'Souza, C. et al. (2006) 'Green products and corporate strategy: an empirical investigation', *Society and Business Review*, 1(2), pp. 144–157. doi: 10.1108/17465680610669825.
- Fowler, A. R. and Close, A. G. (2013) 'It Ain ' t Easy Being Green Macro , Meso , and Micro Green Advertising Agendas', (December 2014), pp. 37–41. doi: 10.1080/00913367.2012.10672461.
- Hawkins, D. I. and Mothersbaugh, D. L. (2010) *Consumer Behaviour: Building Marketing Strategies*. Available at: www.mhhe.com.
- Karna, J. and Juslin, H. (2001) 'Green advertising: Greenwash or a true reflection of marketing strategies?', *Greener Management International*, (33), pp. 59–70. Available at: <https://www.semanticscholar.org/paper/Green-advertising%3A-greenwash-or-a-true-reflection-Kärnä-Juslin/d66ef82c395263863323428dc418c29c34cf0303>.
- Kartikasari, M. D., Dimiyati, M. and Sukarno, H. (2018) 'Pengaruh Green Marketing dan Pengetahuan Terhadap keputusan Pembelian dengan Mediasi minat Membeli konsumen Sariayu Martha Tilaar di Kota Jember (The Influence Of Green Marketing And Knowledge On Purchasing Decisions With Of Consumer ' s Buying Interest', *Journal Ekonomi dan Akuntansi*, V(2), pp. 172–177. Available at: <https://doi.org/10.19184/ejeba.v5i2.8680>.
- Kotler, P. and Armstrong, G. (2012) 'Prinsip-Prinsip PEMASARAN Principle of Marketing', pp. 1–63.
- Kotler, P. and Armstrong, G. (2016) *Prinsip-Prinsip PEMASARAN Principles of Marketing Jilid 1*. Erlangga.
- Kristinae, V. (2018) 'Pengaruh Produk , Harga dan Promosi Terhadap Minat Konsumen Untuk

- Melakukan Pembelian Kerajinan Tangan Rotan', *Eksis: Jurnal Riset Ekonomi dan Bisnis*, 13(1), pp. 25–30. doi: 10.26533/eksis.v13i1.154.
- Kumar, P. and Ghodeswar, B. M. (2015) 'Factors affecting consumers' green product purchase decisions', *Marketing Intelligence and Planning*, 33(3), pp. 330–347. doi: 10.1108/MIP-03-2014-0068.
- Kusumawati, E. (2019) 'Minat Beli Produk Ramah Lingkungan Sebagai Dampak dari Implementasi Green Advertising', 19(1). Available at: <https://doi.org/10.31599/jki.v19i1.394>.
- Lestari, R. D., Yulisetiari, D. and Sriono (2015) 'Pengaruh Green Product , Green Brand , Dan Green Advertising Terhadap Keputusan Membeli Air Minum Kemasan Botol Merek AQUA Di Kecamatan Sumbersari Kabupaten Jember', *Artikel Ilmiah Mahasiswa*, pp. 1–7. Available at: <http://repository.unej.ac.id/handle/123456789/64329>.
- McDaniel, S. W. and Rylander, D. H. (1993) 'Strategic Green Marketing', *Journal of Consumer Marketing*, 10(3), pp. 4–10. doi: 10.1108/07363769310041929.
- Peattie, K. (1995) 'Environmental Marketing Management: Meeting the green Challenge', *Pitman Publishing*, 7(c), p. 309. Available at: [https://doi.org/10.1002/\(SICI\)1099-0836\(199802\)7:1%3C52::AID-BSE136%3E3.0.CO;2-3](https://doi.org/10.1002/(SICI)1099-0836(199802)7:1%3C52::AID-BSE136%3E3.0.CO;2-3).
- Peter, J. P. and Olson, J. C. (2000) *Consumer behavior : perilaku konsumen dan strategi pemasaran jilid 2*. Jakarta: Erlangga.
- Polonsky, M. J., Rosenberger, P. J. and Ottman, J. (1998) 'Developing green products: Learning from stakeholders', *Asia Pacific Journal of Marketing and Logistics*, 10(1), pp. 22–43. doi: 10.1108/13555859810764454.
- Prima, V. (2016) *Enrich Not Exploit (It's in our hand): Strategi Baru The Body Shop dalam Mengampanyekan Lingkungan*, www.kompasiana.com. Available at: <https://www.kompasiana.com/vincensiaprima/5716f13c137f61f204e84ee9/enrich-not-exploit-its-in-our-hand-strategi-baru-the-body-shop-dalam-mengampanyekan-lingkungan?page=all> (Accessed: 16 May 2019).
- Reinhardt, F. L. (1998) 'Management', *California Management Review*, 40(4). Available at: <https://doi.org/10.2307%2F41165964>.
- Sriyanto, A. and Kuncoro, A. W. (2019) 'Pengaruh Brand Ambassador, Minat Beli dan Testimoni terhadap Keputusan Pembelian', *Jurnal Ekonomika dan Manajemen*, 8(1), pp. 21–34. Available at: <https://journal.budiluhur.ac.id/index.php/ema/article/view/858>.
- Wahab, Z. et al. (2017) 'Analysis The Effect Of Environmental Concern And Green Advertising To Green Purchasing In Palembang City', 1(3), pp. 297–310. Available at: <https://doi.org/10.29259/sijdeb.v1i3.297-310>.
- Widianti, N. (2020) *Sustainable Beauty dan Alasan Mengapa Anda Perlu Beralih ke Kosmetik Ramah Lingkungan*, <https://journal.sociolla.com/>. Available at: <https://journal.sociolla.com/beauty/barry-m-sustainable-beauty> (Accessed: 7 October 2020).