



WHAT DETERMINE CUSTOMER LOYALTY AT TOKOPEDIA WEBSITE?

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Abstract

With the advent of online shopping in Indonesia, e-commerce has emerged as a transaction platform for purchasing goods and services for the community. The development of e-commerce trends has led to intense business competition in cyberspace. Website quality is one of the factors that can determine trust and generate online shop customer loyalty. In an increasingly competitive environment, e-retailers are required to build quality that affects customer trust. Customer loyalty presents a paradox. This study uses a causal design approach to examine the relationship between the independent variables and the dependent variable using Structural Equation Modeling (SEM) with the AMOS 24 application.

Keywords: *Customer Loyalty, Tokopedia Website.*

INTRODUCTION

In the modern business world, every firm that wants to be recognized as a global player must have a professional online presence. Customers, regardless of how different their expectations are, want websites to best fulfill their requirements (Bélanger et al., 2006). Website design considerations generally include ease of use, visual appeal, trustworthiness, and functionality. Companies must also consider dispersed cultures and diverse users (Cyr, 2008; Ha & Stoel, 2009; Schaupp, Bélanger, & Fan, 2009). The website exists as a culturally neutral medium (Singh, Fassot, Chao, & Hoffman, 2004). Meanwhile, the leading website factor identified as the underlying feature of the technology dimension is the ease of use. Ease of use refers to the ease with which a person can communicate and transact on a website through a website interface or a comfortable website design (Dutta & Segev, 1999; Zeithaml et al., 2002; Bansal et al., 2004), namely the ease of communication and transactions. On the other hand, helpful information relates to the website content regarding the goods/services offered (Dutta & Segev, 1999; Bansal et al., 2004).

Tokopedia is one of Indonesia's major online marketplaces, allowing internet users to purchase and sell items online. Tokopedia is the third-best e-commerce site in Indonesia. Tokopedia is an online store that provides a plethora of features and quick services that affect the application's ease of use on customer buy intents at Tokopedia. The purchase intention of Tokopedia consumers is inseparable from the ease of access and high privacy, which are part of the quality of Tokopedia's website. Tokopedia also implements reviews or reviews that aim to provide consumers with a purchase experience or impression after purchasing Tokopedia. Intention to buy online is part of the online consumer behavior component through consumer plans with a tendency to buy a product via the internet or take action before buying decisions are made with hundreds of thousands of product choices available from various categories, such as health and beauty, household appliances, electronics, mobile phones and many more. Many factors influence consumers' purchase intentions for the Tokopedia online store, such as brand image, price, trust, and value (Juliana et al., 2020). Trust is also one of the factors that determine consumer decisions in making purchasing decisions (Kooli et al., 2014). Customer perceived service quality, directly and indirectly, is influenced by satisfaction and trust, attitude and behavior loyalty. Service quality has less influence on customer loyalty if the customer holds status. It affects the loyalty behavior less for customers than regular customers; however, their impact on attitudinal loyalty was

identical. Several studies have identified attributes to measure service quality, tending to link service quality dimensions directly with constructs such as satisfaction or loyalty or to incorporate service quality dimensions into service quality variables before connecting them to other constructs (Alexandriset al., 2004; Grönroos, 1984; et al., 2008; Parasuraman et al., 1988).

In services, the relationship between satisfaction and loyalty seems almost intuitive, and several previous researchers (Chen et al., 2013; Cronin & Taylor, 1992; Prougestaporn, Visansakon & Saowapakpongchai, 2015; Woodside, Frey, & Daly, 1989) have tried to confirm the idea. Satisfaction influences user behavior and their evaluation of the service, which influences loyalty (Zhang & Dran, 2000). However, only some studies have addressed this relationship (between online satisfaction and loyalty) for e-services. Poh-Ming Wong, Winnie (2014), in his research, suggests that website content and trust positively affect customer loyalty. Trust mediates the relationship between website content and customer e-loyalty. Trust is the precursor to satisfaction, and consumers will be satisfied if the website has given them reasons to trust. Based on the data above, researchers are interested in analyzing the effect of website quality on trust and the effect of trust on customer loyalty, one of the online buying and selling sites in Indonesia, namely Tokopedia.

MATERIALS AND METHODS

Materials

Website Quality dan Trust

Website system quality is the total of individual consumer perceptions of website availability, adaptability, and response time. If the system is available when needed and provides fast responses to end users, customers feel satisfied and can be trusted. Trust is an important indicator, and the existing literature shows a positive relationship between trust and system quality (Filieri, 2015; Wang et al., 2015). A look at previous research indicates that the operational effectiveness of a website is measurable. For example, the number and duration of visits significantly influence marketing performance [Lii et al., 2004. The Internet is more than just worldwide interconnection with various computer networks (Purosothuman, 2008). It is a significant source of information and communication and a primary online shopping medium (Citrin, Sprott, Silverman, and Stem Jr, 2000). Online consumers worldwide simultaneously access information from multiple companies or online vendors, which helps them make smarter buying decisions (Jeong & Lambert, 2001). These characteristics, in part, have shown that the impact of Internet users has proliferated, along with increased accessibility, connectivity, geographic distribution (Weiser, 2000), and lower costs (Al-Maghrabi, Dennis, and Halliday 2010). The relationship between website quality and trust in a website that has good quality can convey messages made by website creators to visitors to a website. A website's quality level is determined by the views of visitors and users of the website (Andry et al., 2019). A website can be easily understood and used by customers, so the quality of the website can increase customer trust in the website and company. In this case, a website with a good appearance and quality can reflect that the company that owns the website also has a good reputation (Cheung et al., 2005; Cheung & Lee, 2005). Octavia & Tamerlane's research (2017) found that the quality of a website has a large and significant influence on consumer trust. Similar research results were also obtained by Liu et al. (2017). This study found that the quality of a website can affect the trust that consumers own. Qalati et al.'s research (2021) also found that website quality is the main factor affecting consumer trust. Chang (2014) in his research stated that website quality has a direct or indirect influence on the level of consumer trust in a website. The trust factor is a crucial factor of the many factors that influence buying and selling transactions at online shops. Only customers who have trust will dare to make transactions through internet media. Trust from customers is necessary for transactions via the internet (Gustavsson & Johansson, 2006).

Trust dan Customer Loyalty

Trust is described as a person's confidence in another subject based on that subject's level of honesty and competency (Chang et al., 2006). According to Koufaris and Hampton-Sosa (2004), trust is crucial when two people conduct online transactions. Some interpretations of satisfaction stem from differences such as type of response (cognitive or affective); evaluation time (immediately with a meeting or retrospective of past consumption); evaluation objects (e.g., transactions, companies, attributes); and the psychological processes used to interpret responses (e.g., disconfirmation of expectations, attributions, perceptions of equality). This study focuses on retrospective and cumulative evaluation of customer satisfaction with an organization. In recent years it has become an area of increased research attention. According to Bolton (1998), cumulative satisfaction' serves as an anchor that is updated with new information acquired during the service experience, and satisfaction in virtual environments (i.e., online satisfaction) has become an essential topic of study, being a critical factor in competing with rivals and achieving success (Anderson & Srinivasan, 2003; Cox & Dale, 2001; Zeglat et al., 2016). Customer service/communication also refers to the website's capacity to retain ties with clients when problems develop during purchases. It is often accomplished through maintaining open lines of

contact with clients (Santos, 2003), giving support when difficulties emerge (Wolfenbarger & Gilly, 2003), and, as a result, creating value (Cox & Dale, 2002). Furthermore, there is a positive association between reported satisfaction and site loyalty. A website's perceived usefulness is defined as "the degree to which a person feels that using a certain system would improve his or her job performance" (Davis, 1989, p.320). The primary reason for coming and returning to our site is the content (Rosen & Purinton, 2004). Palmer (2002) found a positive relationship between site content and its success, and Cyr et al. (2007). Online loyalty has been built on traditional definitions of customer loyalty, with e-loyalty being defined around consumers who tend to repurchase from the same website and e-retailer rather than switching to another website (Flavián, Guinaliu, and Gurrea, 2006). E-loyalty is also defined as a "consumer's favorable attitude towards e-business, resulting in repeated" purchase behavior" (Anderson & Srinivasan, 2003). It is recognized as belonging to a customer's commitment to a particular website (Shankar, Smith, and Rangaswamy 2002).

RESULTS AND DISCUSSION

Respondent Characteristics

Questionnaires were distributed in 251 sets to the respondents, namely Tokopedia users. Information that the demographic description of the majority of respondents consists of women (51.8%), aged 21-23 years (34.3%), working as students (57%), having online shopping experience (92.8%), shopping online two times (25.5%) and online shopping motive comes from oneself (67.8%).

Table 1. Characteristics of Respondents

Category	Item	F	%
Gender	Male	130	48,2
	Female	121	51,8
	Total	251	100
Age	14 – 15 years	31	12,4
	17 – 20 years	56	22,3
	21 – 23 years	86	34,3
	25 - 28 years	67	26,7
	> 36 years	11	4,3
	Total	251	100
Occupation	Student	143	57
	Civil Servant	9	3,6
	private sector worker	86	34,3
	businessmen	6	2,4
	Housewife	4	1,6
	unemployment	3	1,2
	Total	251	100
Online Shopping Experience	Ever	233	92,8
	Never	18	7,2
	Total	251	100
Online Shopping Intensity	1 time	40	15,9
	2 times	64	25,5
	3 times	49	19,5
	4 times	44	17,5
	5 times	28	11,2
	>5 times	9	3,6
	Never	15	6
	Often	1	0,4
	Shopping to the Store	1	0,4
	Total	251	100
Online Shopping Motives	Self	170	67,8
	Friend	29	11,6
	Family	40	15,9

	Nothing	12	4,8
	Total	251	100

Measurement and Structural Models

The validity and reliability of variable instruments are measured based on the results of statistical tests to prove the feasibility of the research model.

Table 2. Measurement Model Results

Variabel	Items	SLF	AVE	CR
	The user menus are clearly categorized and well laid out on the screen	0,765	0,575	0,945
	I can easily identify and find where the product information is	0,750		
	The website looks professionally designed and well presented	0,784		
	The product information provided on the website is presented consistently and logically	0,705		
Website Quality	The design of the screens on the website, such as color boxes, menus, navigation tools, etc., is aligned and well-presented	0,728		
	The website can be easily navigated	0,779		
	The layout, categorization, and overall organization of the site are understandable and easy to use	0,772		
	All product options, product attributes, and product information are well-designed and presented	0,759		
	Site product availability and product variations are well explained	0,780		
	I will trust this vendor	0,823	0,606	0,860
Trust	This website is credible to me	0,792		
	I can trust the information presented on the website	0,804		
Customer Loyalty	I will consider purchasing from this website in the future	0,732	0,650	0,887
	I will visit this site again	0,810		
	I would recommend this site to other parties	0,792		

Table 2 is the result of testing the validity and reliability of the overall model. The standardized loading factor (SLF) value of all indicator variables in the full model has a value above 0.50. It means that all indicators are declared valid and believed to be able to measure the construct of the entire model being built. The results of the reliability test present relevant results. All instruments are declared reliable and have the ability to measure the constructs of the entire model built consistently. This is shown from the avariance extracted (AVE) value of all instrument indicators, which obtain a value of ≥ 0.50 , and the value of construct reliability (CR) which obtains a value of ≥ 0.70 .

Table 3. Goodness of Fit Index

Goodness of Fit Index	Cut off Value	Results
CMIN/DF	≤ 3.00	2,142
RMSEA	$\leq 0,08$	0,06
TLI	≥ 0.90	0,951
IFI	$\geq 0,90$	0,959
CFI	$\geq 0,90$	0,959
NFI	$\geq 0,90$	0,926

The model suitability requirements can be accepted based on the results of the goodness of fit (GOF) measurement in table 3. The table also shows that six measurements show a reasonable degree of fit. The value of CMIN/DF = 2.142 (≤ 3.00) and RMSEA = 0.06 (≤ 0.08) has fulfilled the character. TLI=0.06 (≥ 0.90), IFI=0.951 (≥ 0.90), CFI= 0.959 (≥ 0.90), and NFI= 0.926 (≥ 0.90), all above 0.90 and sufficient to state that the condition suitability of the model can be accepted and declared fit. Five measurements show the degree of good fit. (Hair et al. 2014) states that a research model construct can be declared fit and accepted if three to four measurements obtain a degree of good fit or above the cut-off value.

Tabel 4. Hypotesis Testing

Hypotheses	Path	Estimate	S.E.	C.R.	P	Conclusion
H1	Trust <-- Website Quality	0,887	0,077	11,467	***	Significant
H2	Loyalty <-- Trust	0,343	0,093	3,702	***	Significant
H3	Loyalty <-- Website Quality	0,538	0,101	5,346	***	Significant

Based on Table 4, the first hypothesis is that the t-count value, the effect of website quality on trust, is 11.467 greater than the t-table value (1.96). Likewise, the p-value is 0.000, more diminutive than 0.05 ($\alpha = 0.05$). This result means that website quality has a positive and significant effect on trust. For the second hypothesis, the t-value, the effect of trust on loyalty, is 3.702, and the p-value is less than 0.000. It proves that trust has a positive and significant effect on website quality. For the third hypothesis, the t-value, the effect of website quality on loyalty, is 0.101, and the p-value is less than 0.000. It shows that website quality has a positive and significant effect on loyalty.

The importance of websites can also be seen from previous research on various website dimensions and customer responsiveness (Agarwal & Venkatesh, 2002; Rice, 1997). The various features, structure, and types of services provided by the website in the current era can be seen, and assessments help in the development and operation of the website. Website appraisal serves customer needs, meets expectations to an optimal degree, and helps in the maximum utilization of the resources invested (Adelman, 1991). The website is used to test visitor satisfaction; visitors feel delighted with the website when it provides valuable information and easy navigation (Sundeen et al., 2016). This research also found customer service to be the most critical factor in customer trust. Therefore, to gain customer trust, online stores must consider factors such as after-sales support by showing genuine interest in solving customer problems and providing quick responses to customer needs (Parasuraman et al., 2005; Wolfinbarger & Gilly, 2003). Customer loyalty describes a purchase attachment or deep commitment to a product or service (Oliver, 1999), and this general definition can also be applied to e-loyalty. Loyalty refers to “customer satisfaction and trust in e-business, resulting in repeat purchase behavior (Srinivasan & Anderson, 2003). According to Pohan, F.S., & Aulia, Z.F (2019).

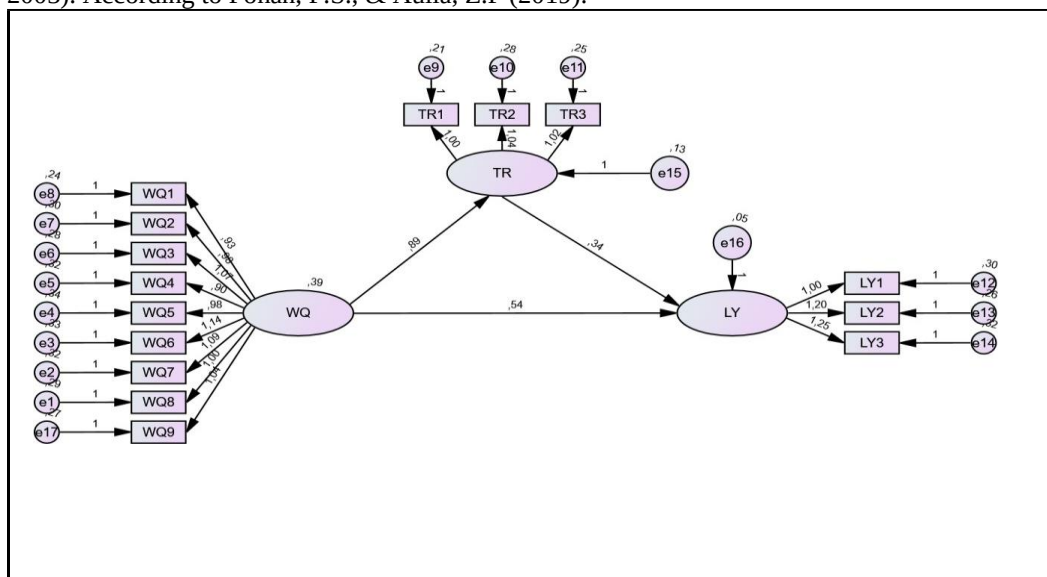


Figure 1. Full Model Structural Test

Table 5. Sobel Test - Significance of Mediation

	Sobel test statistic	Two- tailed probability
Website Quality --> Trust --> Loyalty	3,512	0,000

Based on the Sobel test results in Table 5, the Sobel test statistical value is 3.512, and the p-value is 0.000. These results indicate that the Sobel test statistical value is more significant than the t-table (1.96). Likewise, the p-value obtained is smaller than 0.05 ($\alpha = 0.05$). It shows a significant indirect effect of website quality, and trust on loyalty.

CONCLUSIONS

The research findings imply that Tokopedia's management may emphasize parts of the completeness of information on the website and improve the system's security to build consumer confidence. This high level of customer trust will have an effect on consumer loyalty, encouraging repeat purchase behavior, and consumers

will freely refer to Tokopedia as a reliable online buying and selling site. The Tokopedia website's quality must be upgraded to obtain more consumer trust. Service quality should be improved when customers have issues using the Tokopedia website by offering rapid and prompt responses. The aesthetic aspect of the website has been made more imaginative to attract customers. The information presented is more pertinent and correct. The high level of competition in the online buying and selling business requires that Tokopedia continue to innovate so that consumers feel satisfied and trust always to make transactions at Tokopedia so that consumers become loyal. This research is limited to the sample size and object of the study. The limited sample size means that the research results cannot be generalized accurately. Thus, future research needs to increase the sample size so that the information obtained is more representative of the population. The object of study in this study is only one online site, so it does not describe online consumer behavior as a whole. Future research should consider extending the object to other sites.

References

- Adelman, L. (1991). Experiments, quasi-experiments, and case studies: A review of empirical methods for evaluating decision support systems. *IEEE Transactions on Systems, Man, and Cybernetics*, 21(2), 293–301.
- Agarwal, R., & Venkatesh, V. (2002). Assessing a firm's web presence: A heuristic evaluation procedure for the measurement of usability. *Information Systems Research*, 13(2), 168–186.
- Al – Maghrabi, T., Dennis, C. & Halliday, S.V. (2010), “Adapting TAM and ECT: Continuance Intention of E-Shopping in Saudi Arabia”, *European and Mediterranean Conference on Information System*, pp. 1–17.
- Anderson, RE, & Srinivasan, SS (2003). E-satisfaction dan e-loyalty: Sebuah kerangka kontingensi. *Psikologi dan Pemasaran*, 20(2), 99-121. <https://doi.org/10.1002/mar.10063>
- Andry, J. F., Christianto, K., & Wilujeng, F. R. (2019). Using Webqual 4.0 and Importance Performance Analysis to Evaluate E-Commerce Website. *Journal of Information Systems Engineering and Business Intelligence*, 5(1), 23. <https://doi.org/10.20473/jisebi.5.1.23-31>
- Aladwani, AM (2002). Pengembangan dua alat untuk mengukur kemudahan dan kegunaan dari situs web transaksional. *Jurnal Sistem Informasi Eropa*, 11(3), 223-231. <https://doi.org/10.1057/palgrave.ejis.3000432>
- Al-dweeri, R. M., Obeidat, Z. M., Al-dwiry, M. A., Alshurideh, M. T., & Alhorani, A. M. (2017). The impact of e-service quality and e-loyalty on online shopping: moderating effect of e-satisfaction and etrust. *International Journal of Marketing Studies*, 9(2), 92.
- Barnes, S., & Vidgen, R. (2002). Pendekatan integratif untuk penilaian kualitas e-commerce. *Jurnal dari Riset Perdagangan Elektronik*, 3(3), 114-127
- Bansal, Harvir S., P.Gregory Irving, dan Shirley F. Taylor (2004). “A Three Component Model of Customer Commitment to Service Providers,” *Journal of the Academy of Marketing Science*, 32 (Summer), 234-250.
- Bélanger, F., Fan, W., Schaupp, C., Krishen, A., Everhart, J., Poteet, D., & Nakamoto, K. (2006). Web site success metrics: addressing the duality of goals. *Communications of the ACM*, 49(12), 114-116.
- Bignami-Van Assche, S., Smith, K., Reniers, G., Angiewicz, P., Thornton, R., Chao, L. W., ... & MDICP STI Team. (2004). Protocol for biomarker testing in the 2004 Malawi Diffusion and Ideational Change Project. *Social Networks Project Working Papers*, (6).
- Bolton, RN (1998). Model dinamis dari durasi hubungan pelanggan dengan penyedia layanan berkelanjutan: peran kepuasan. *Ilmu Pemasaran*, 7, 1, hlm. 45–65
- Brady, M.K. & Cronin, J.J. (2001). “Some new thoughts on conceptualizing perceived service quality: a hierarchical approach”, *Journal of Marketing*, Vol. 65 No. 3, pp. 34-49.
- Varma Citrin, A., Sprott, D.E., Silverman, S.N. and Stem, D.E. (2000). "Adoption of Internet shopping: the role of consumer innovativeness", *Industrial Management & Data Systems*, Vol. 100 No.7, pp. 294-300. <https://doi.org/10.1108/02635570010304806>
- Chang, K.-C. (2014). The Impact of Website quality and Perceived Trust on Customer Purchase intention in the Hotel Sector: Website Brand and Perceived Value as Moderators. *International Journal of Innovation*,

- Chen, M. H., Tsai, K. M., Hsu, Y. C., & Lee, K. Y. (2013). E-service quality impact on online customer's perceived value and loyalty. *China-USA Business Review*, 12(5)
- Cox, J., & Dale B. (2002). Faktor kualitas utama dalam desain dan penggunaan situs web: Pemeriksaan. *Jurnal Internasional Manajemen Kualitas dan Keandalan*, 17(7), 862-888. <https://doi.org/10.1108/02656710210434784>
- Cox, J. and Dale, B.G. (2001). "Service quality and e-commerce: an exploratory analysis". *Managing service Quality*, Vol.11 No 11 No. 2, pp. 121-31
- Cronin, J. J., & Taylor, S. A. (1992). Measuring service quality: A re-examination and extension. *Journal of Marketing*, 56 (3), 55-68. <https://doi.org/10.2307/1252296>
- Cyr, D., Kindra, G., & Dash, S. (2008). Desain situs web, kepercayaan, kepuasan, dan loyalitas elektronik: Pengalaman India. *Tinjauan Informasi Online*, 32(6), 773-790. <https://doi.org/10.1108/14684520810923935>
- Cyr, D. (2008). Modeling website design across cultures: relationships to trust, satisfaction and e-loyalty. *Journal of Management Information Systems*, 24(4), 47-72.
- Cyr, Dianne., Hassanein, Khaled., Head, Milena., dan Ivanov, Alex. The Role Of Social Presence In Establishing Loyalty In E-Service Environments. Vol.19, No. 1. pp. 43-56, 2007
- Davis, F. D. (1989). Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*, 13(3), 319-340.
- Dutta, S., & Segev, A. (1999). Business transformation on the Internet. *European Management Journal*, 17(5), 466-476.
- Filieri, R., Alguezaui, S., & McLeay, F. (2015). Why do travelers trust TripAdvisor? Antecedents of trust towards consumer-generated media and its influence on recommendation adoption and word of mouth. *Tourism Management*, 51, 174-185.
- Flavián, C., Guinalíu, M. & Gurrea, R. (2006). "The role played by perceived usability, satisfaction and consumer trust on web site loyalty", *Information & Management: The International Journal of Information Systems Applications*, Vol. 43 No. 1, pp. 1-14.
- Grönroos, C. (1984). "A Service Quality Model and its Marketing Implications", *European Journal of Marketing*, Vol. 18 No. 4, pp. 36-44. <https://doi.org/10.1108/EUM0000000004784>
- Gustavsson, M., & Johansson, A. M. (2006). Consumer Trust in E-commerce.
- Hair, J.F., Hult, G.T.M., Ringle, C., & Sarstedt, M. (2014). A Primer on Partial Least Squares Structural Equation Modeling.
- Ha, S., & Stoel, L. (2009). Consumer e-shopping acceptance: antecedents in a technology acceptance model. *Journal of Business Research*, 62(5), 565-571.
- Hotlan Siagian., & Edwin Cahyono (2014). Analisis Website Quality, Trust dan Loyalty Pelanggan Online Shop.
- Irsch, J., Gupta, S. & Grau, S.L. (2007). A Framework for Understanding Corporate Social Responsibility Programs as a Continuum: An Exploratory Study. *Journal of Business Ethics*, 70,125-140. <http://dx.doi.org/10.1007/s10551-006-9100-y>
- Juliana, Themmy Noval, Ira Brunchilda Hubner, Innocentius Bernarto (2020). Ease of Use Dan Trust Terhadap Purchase Intention Melalui Customer Satisfaction Pada Situs Web Tokopedia *Jurnal Ecodemica*, Vol. 4. <http://ejournal.bsi.ac.id/ejurnal/index.php/ecodemica>
- Kooli, K., Mansour, K. Ben, & Utama, R. (2014). Determinants of online trust and their impact on online purchase intention. *International Journal of Technology Marketing*, 9(3), 305. <https://doi.org/10.1504/ijtmkt.2014.063858>
- Koufaris, M. & Hampton-Sosa, W. "The development of initial trust in a online company by new customers",

- Lii, Y.-S., HJ Lim, dan DLP Tseng. (2004). "Pengaruh Faktor Operasional Web pada Kinerja Pemasaran," *Jurnal Akademi Bisnis Amerika*, Cambridge 5(1/2). hlm. 486-494
- Octavia, D., & Tamerlane, A. (2017). The Influence of Website quality on Online Purchase intentions on Agoda.Com with E-Trust as a Mediator. *Binus Business Review*, 8(1), 9. <https://doi.org/10.21512/bbr.v8i1.1680>
- Oliver, R.L. (1999). Whence Consumer Loyalty. *Journal of Marketing*, 63, 33-34. <https://doi.org/10.2307/1252099>
- Oliver, R.L. (1997). *Satisfaction: A Behavioral Perspective on the Consumer*, McGraw-Hill, New York, NY.
- Palmer, JW (2002). Kegunaan situs web, desain, dan metrik kinerja. *Informasi Riset Sistem*, 13(2), 151–167.
- Parasuraman, A., Zeithaml, V.A. & Malhotra, A. (2005). "E-S-QUAL: A Multiple-Item Scale for Assessing Electronic Service Quality", *Journal of Service Research*, Vol. 7 No. 10, pp. 1–21.
- Parasuraman, A., Zeithaml, V.A. & Berry, L.L. 1988. "SERVQUAL: A multiple item scale for measuring consumer perception of service quality,". *Journal of retail*, 1, pp12-40.
- Pohan, F.S., & Aulia, Z.F (2019). Kualitas situs web, kepercayaan, dan loyalitas konsumen Tokopedia. *Jurnal Manajemen Strategi dan Aplikasi Bisnis*, 2(1), 13-22
- Prougestaporn, P., Visansakon, T., & Saowapakpongchai, K. (2015). Key success factors and evaluation criterias of e-learning websites for higher education. *International Journal of Information and Education Technology*, 5(3), 233. <https://doi.org/10.7763/IJiet.2015.V5.507>
- Qalati, S. A., Vela, E. G., Li, W., Dakhan, S. A., Hong Thuy, T. T., & Merani, S. H. (2021). Effects of perceived service quality, website quality, and reputation on purchase intention: The mediating and moderating roles of trust and perceived risk in online shopping
- Ratner, B. D., Hoffman, A. S., Schoen, F. J., & Lemons, J. E. (2004). *Biomaterials science: an introduction to materials in medicine*. San Diego, California, 162-4.
- Rice, M. (1997). What makes users revisit a Web site. *Marketing News*, 31(6), 12–13.
- Rosen, D. E., & Purinton, E. (2004). Website design: Viewing the web as a cognitive landscape. *Journal of Business Research*, 57(7), 787–794. [https://doi.org/10.1016/S0148-2963\(02\)00353-3](https://doi.org/10.1016/S0148-2963(02)00353-3)
- Santos, J. (2003). E-service quality: a model of virtual service quality dimensions. *Managing Service Quality: An International Journal*, 13(3), 233–246. <https://doi.org/10.1108/09604520310476490>
- Schaupp, C. L., Bélanger, F., & Fan, W. (2009). Examining the success of websites beyond e-Commerce: an extension of the IS success model. *Journal of Computer Information Systems*, 49(4), 42-52.
- Shankar, V., Smith, AK dan Rangaswamy, A. (2003). "Kepuasan dan loyalitas pelanggan di lingkungan online dan offline", *Riset Pemasaran*, Jil. 20, hlm. 153-175
- Singh, N. & D. W. Baack. (2004). "Web Site Adaptation: A Cross-Cultural Comparison of U.S and Mexican Web Sites," *Journal of Computer-Mediated Communication* 9(4).
- Sugiyono. (2016). *Metode Penelitian Manajemen*. Bandung: ALFABETA
- Sundeen, T., Vince Garland, K. M., & Wienke, . W. D. (2016). A multi-year evaluation of student perceptions of university and special education doctoral websites. *Teacher Education and Special Education*, 39(4), 259-275
- Wang, L., Law, R., Guillet, B. D., Hung, K., & Fong, D. K. C. (2015). Impact of hotel website quality on online booking intentions: eTrust as a mediator. *International Journal of Hospitality Management*, 47, 108–115.
- Winnie, W, Poh-Ming. (2014). The Effect of Website Quality on Customer E-Loyalty: The Mediating Effect of Trustworthiness. *International Journal of Academic Research in Business and Social Sciences*, 4, 19-41.
- Wolfenbarger, M. & Gilly, M.C. (2003). "ETAILQ: dimensionalizing, measuring and predicting e-tail quality",

- Wolfenbarger, M. & Gilly, M.C. (2003). "eTailQ: dimensionalizing, measuring and predictingetail quality", Journal of Retailing, Vol. 79 No. 3, pp. 183–198.
- Woodside, A. G., Frey, L. L., & Daly R. T. (1989). Linking service quality, customer satisfaction, and behaviour. Journal of Health Care Marketing, 9 (4), 5-18.
- Yang, Z. & Fang, X. (2004). Online Service Quality Dimensions and Their Relationships with Satisfaction: A Content Analysis of Customer Reviews of Securities Brokerage Services. International Journal of Service Industry Management, 15, 302-326.
- Zeithaml et al., (1996). "Measuring the quality of relationship in customer service: An empirical study", European. Journal of Marketing
- Zeglat, D., Shrafat, F., & Al-Smadi, Z. (2016). The Impact of the E-Service Quality (E-SQ) of Online Databases on Users' Behavioural Intentions: A Perspective of Postgraduate Students. International Review of
- Zhang, P., dan Von Dran, G. (2000). 'Satisfiers and dissatisfiers: model dua faktor untuk situs webbbdesain dan evaluasi',Jurnal Masyarakat Amerika untuk Masyarakat Informasi, Jilid 51, No 14, hlm 1253–1268.
- Zhang, M., Guo, L., Hu, M. & Liu, W. (2017). "Influence of customer engagement with company social networks on stickiness: mediating effect of customer value creation", International Journal of Information Management, Vol. 37 No. 3, pp. 229-240.