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# Antecedent Factors of Green Purchasing Behavior: Learning Experiences, Social Cognitive Factors, and Green Marketing

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Susanty A, Puspitasari NB, Prastawa H, Listyawardhani P and Tjahjono B (2021) Antecedent Factors of Green Purchasing Behavior: Learning Experiences, Social Cognitive Factors, and Green Marketing. Front. Psychol. 12:777531. doi: 10.3389/fpsyg.2021.777531 This study extends the theory of planned behavior (TPB) framework by introducing three further variables (i.e., learning experience, contextual factors, and green marketing) to explain how behavioral intention and actual behavior are induced by situational factors as well as green advertising from the company. Then, this study has four objectives. First, this study will assess the direct effect of personal factors (i.e., demographic factors) and contextual factors on learning experience and the direct effect of personal factors (i.e., demographic factors) on subjective norms. Second, this study will assess the direct effect of learning experience on social cognitive factors for a specific green product. Third, this study will assess the direct effect of social cognitive factors on intention purchasing behavior. Finally, this study will assess the role of green marketing as a moderating variable for the relationship between intention and purchasing behavior. Data used in this study were primary data, which were collected through closed questionnaires with a five-point Likert scale. This study succeeded in obtaining 602 valid data from the results of filling out questionnaires by participants. This study uses the partial least square (PLS) method with SmartPLS 3.0 for data processing. The result of data processing indicated that outcome expectation, self-efficacy, and subjective norms had significant positive effects on purchase intention for green personal care products. This study also found that the learning experience influenced both outcome expectation and self-efficacy. Although weak, the learning experience was influenced by demographic factors and contextual factors. The demographic factors that affect learning experience were gender and level of education. The contextual factor has a more substantial influence on learning experience in developing consumption-related attitudes to green personal care products than the demographic factor. Finally, this study also found the direct effect of intention on actual purchase behavior and the positive role of green marketing as the moderating variable.

Keywords: learning experiences, cognitive factors, green personal care product, purchase intention, purchase behavior

# INTRODUCTION

Marketers have Been talking about green Consumption since the 1960s (Rahman et al., 2017). In the recent decade, the concept and application & for the second consumption & second consumptis & second consumption & second consumption & secon responsibility Dehavior Anave Decome Dan Dessential Dissue Din Dthe D literature Marketing (Leonidou Atal., 2013; Peloza tal., 2013; Haws (2014) as (2 he (1 he (2 he (1 he (2 he (1 he (1 he (1 he (1 he (1 attitude of to us to mers a oward the more mental indicate a bositive trend see the Secult of the previous study from CEAP (2007), Eurobarometer (2011), And Nielsen (2014)]. However, Although  $toward \verb+@the&environment&indicate&a&positive&trend,&empirica&\\$ evidenceAndicates thatAttitudeAnfrequentlyAranslates into actual purchase@behavior.@It@means@there@is@a@discrepancy@or@"gap"@  $between \boxtimes consumers \boxtimes articulated \boxtimes favorable \boxtimes attitudes \boxtimes and \boxtimes actual \boxtimes$ purchasing@practices@e.g.,@Vermeir@and@Verbeke,@008; Zabkar@ and Hosta, 2012; Gleim Hosta, 2013).

The Devidence Of or The Dinconsistency Das Deen Decorded Din Devidence Devid different&countries (Nguyen&t&al., 2019), Amaking the scholars frequently&alled&or&urther&esearch&o&lose&he&nconsistency.& If&we&can&determine&the&antecedent&variables&through&rigorous& study, ØvaluableØstepsØandØstrategiesØcanØbeØtakenØtoØreduceØ the Inconsistency and Incourage Consumers to Durchase Ogreen products. Then, Many & conceptual theories have been developed to explain the reason for green purchasing behavior, which starts with & the & green & intention & first, & such & as & the & theory & of & reasoned & action (TRA) (Ajzen and Fishbein, 1980), and its extension, the theory Sof Splanned Schewior (Ajzen, S1991), Sgeneral theory of Mmarketing Methics (Hunt Mand Vitell, 21986), 2norm Mactivation model2and2value-belief-norm2theory2(Stern,21999),2construal2 level2theory (Trope2and2Liberman,22003), 2and2social2practice2 approach and social cognitive theory (Bandura, 2008; Shove and Walker, 2010). Among all these theories, the most widely used@was@the@TRA@and@its@extension,@the@TPB (Ceglia@et@al.,@ 2015; Hanss & tal., 2016). However, & though & widely & used, & TPB hasØsomeØlimitationsØthatØcauseØtheØresearchersØtoØproposeØ various & xtended forms & fXTPB. For & xample, & Chen & and & Hung & (2016) extended TPB by including Invironmental Consciousness, social@impression,@and@environmental@ethics@and@beliefs@into@ its@framework.@Sreen@et@al. (2018)@extended@TPB@by@including@ long-term&rientation,&ollectivism,&nd&man-nature&rientation& factorsIntoItsIramework.

Previous&tudies&have&used&and&extended&TPB&by&including& several&antecedent&variables&into&this&framework&to&explore& the&purchasing&behavior&of&green&products.&However,&there& are&still&many&imitations that should be&solved (Zhang et al.,& 2019).&One&of&the&Imitations&is&related&to&the&hypothesis&of& the&TPB&framework. According&to the&framework,&people&were& hypothesized&as&&homogeneous&Individual&who&get&behavioral& intention&tecision&or&ven&behavioral&purchasing&tecision&only& based&on&three&variables,&namely,&attitude,&subjective&norm,& and&perceived&behavioral&control;&the&factors&of&differences&in& individuals,&culture,&and&contexts&are&excluded&from&the&TPB& framework (Zhang,&2018). These&Iimitations&encourage&more& exploration&of&the&Implementation&of&the&TPB&framework&Iin& exploring&green&purchasing&behavior.&So,&this&present&study&

tried&to&extend&the&TPB&by&including&social&cognitive&theory& (SCT), Social Alearning Theory (SLT), Sand Spreen Amarketing In Ats framework within the Mimitation of TPB. The Mognitive Miew Molds that@people@are@not@nomogeneous,@and the@behavior@of@people@s@ based on Information-seeking and is usually directed by a specific goal (Liu 2018). Then, the Social Cognitive theory Focuses on&how&behaviors&are&nfluenced&by&bserving&others&and&how& these observations shapeSocial behaviors and Stognitive processes (Bandura, 1986). Bandura (1986) proposed that these three interacting Variables, Inamely, Ipersonal factors, Interaction of the second se and\behavior,\mathbb{Mmight\explain\human\actions.\betaFurthermore,\mathbb{Mit} is @suggested @in @social @learning @theory @that @individuals @adopt @ $general \verb!\! behaviors \verb!\! and \verb!\! attitudes \verb!\! through \verb!\! seeing \verb!\! other \verb!\! people \verb!\!! attitudes \verb!\!! through \verb!\!! seeing \verb!\!! other \verb!\!! people \verb!\!! attitudes \verb!\!! through \verb!\!! seeing \verb!\!! other \verb!\!! attitudes "!! attitudes"!! attitudes "!! attitudes"!! attitudes"!!$ or Dy Dobserving Delectronic Dor Dprint Dedia (Martin Dand Dush, D 2000). Then, the Concept of Green Conarketing Will Influence the efficiency of the Cognitive persuasion Strategies (Hartmann and Apaolaza, 2006), in which many earlier study has demonstrated the Deneficial Impact Dof Denemarketing Don Denstomer Dentation of the Density of Densit toward green purchasing (e.g., ang and Hyde, 2013; Kotler et al., 2014). Shortly, in this study, the factors belonging to SCT, SLT, and @green @marketing @were @used @as @an @antecedent @variable @to @ measurelitsleffectlonlthellactuallpurchasinglbehaviorloflgreenl products through purchaseIntention. Then, the greenImarketing factor<sup>®</sup>was<sup>®</sup>used<sup>®</sup>as<sup>®</sup>a<sup>®</sup>moderating<sup>®</sup>variable<sup>®</sup>to<sup>®</sup>mcrease<sup>®</sup>purchase<sup>®</sup> intention to actual purchasing behavior. There are, Ahence, Your objectives in this study in detail.

- 1. This⊠study⊠will assess the⊠direct effect of personal factors⊠ (i.e.,⊠ demographic⊠ factors)⊠ and⊠ contextual⊠ factors⊠ on⊠ learning experience and the⊠direct effect of personal factors⊠ (i.e.,⊠demographic factors) on⊠ubjective⊠horms.⊠
- 2. This study<sup>2</sup>/<sub>2</sub> will assess the direct effect of learning experience<sup>2</sup>/<sub>2</sub> on<sup>2</sup>/<sub>3</sub> ocial<sup>2</sup>/<sub>2</sub> ognitive factors<sup>2</sup>/<sub>2</sub> or <sup>2</sup>/<sub>2</sub> perioduct.<sup>2</sup>/<sub>2</sub>
- 3. This & study & will & ssess & he & direct & ffect & for a long nitive factors & name to name where the sing & heavior & long & heavier & long & long & heavier & long & heavier & long &
- 4. This Astudy Awill Assess Athe Arole Aof Agreen Amarketing Ass A moderating variable for the Arelationship Abetween Antention and Apurchasing Abehavior.

The product that becomes the subject of the study is green&personal&care&or&green&toiletries&product.&Personal&care& products@are a@source of@concern@for the@environment@since their components@have@been@found@in@all@water@bodies@worldwide.@ Moreover, there is rewer green personal care product compared with general personal care. So, Since personal care products have they are covering a wide ange of categories (such as hair care, skincare, baby care, are, etc.) as well as being produced by different@manufacturing@companies,@he@result@of@this@study@canØ beAused as the Anput Aor Ananufacturers Ao Aconsider the Aignificant  $cognitive {\tt Z} variable {\tt Z} that {\tt Z} could {\tt Z} drive {\tt Z} the {\tt Z} customer {\tt Z} purchasing {\tt Z} and {\tt$ behaviorlofgreenlpersonallcarelproductlingtheirlmarketing strategy. It&sInotAmpossibleSinceDurApreviousStudyAndicated that people have a high tendency for shifting to environmentally friendly@personal care@products (Susanty@t&l., 2021).

# LITERATURE REVIEW

# **Theory of Planned Behavior**

The theory Dof Danned Dehavior (TPB) Dis the Dwork Dof Danned Dehavior (1991). Dis the Dwork Dof Danned Dehavior (1991). Dis the Dwork Dof Danned Dehavior Dischard D

TheAirst&construct in the TPB is theAttitudeAoward behavior.A TheAattitudeAtowardAaAbehaviorAisAdefinedAbyAjzenA(1991)A asAeitherAaApositiveAorAnegativeAassessmentAofAthatAbehavior.A PerceivedAbehavioralAcontrolAs theAecondAconstructAn theAFPB.A Ajzen and Madden (1986) defined thisAconstruct as the perceivedA complexity of an action. The perception of behavioralAcontrol isA determined byArust inApportunitiesAndAresources. Lastly, thereA isAtheAsubjectiveAnorm,AwhichAsAheAthird&constructAofAtheAFPB.A Ajzen (1991) and O'Neal (2007) defined it asAocietal pressure toA take part in or refrainAromAparticipating in aAparticular activity.A

# **Social Cognitive Theory**

Bandura is the first researcher whoMntroduces the Social Mognitive theory (SCT) (Bandura, 1986, 2006). A Critical to SCT are the concepts of Soutcome expectations and self-efficacy (Bandura, 1986). Outcome expectation can be described as the self to a source of the so

ability2to2complete2aAask2with specific2skills2rather2than2his/her2 ability@to@do@so.@It@is@based@not@on@his/her@ability@but@on@ his/her@belief in what@one can do@with@those abilities (Bandura, 1986). Individuals with high Self-efficacy will expect positive results, & while those & with & ow & self-efficacy & will & efficacy & even poor results (Bandura, 1986). In the TPB Framework, SelfefficacyAn&CTAs&ynonymousAvith perceived&ehavioral&ontrol, although&some&researchers&see&&light&difference&between&self $efficacy \boxtimes and \boxtimes perceived \boxtimes behaviora \boxtimes control. \boxtimes Perceived \boxtimes behaviora \boxtimes or and \boxtimes behaviora \& behaviora \& behaviora \& behaviora \& behaviora \& behaviora behavi$ controlØfocusesØmoreØonØtheØperceivedØabilityØtoØperformØaØ behavior,<sup>©</sup>whereas<sup>©</sup>self-efficacy<sup>©</sup>strongly<sup>©</sup>focuses<sup>©</sup>more<sup>©</sup>on<sup>©</sup>the<sup>©</sup> perceived capability to bring about the desired butcome (Hanss and Böhm, 2010). Without Signoring this Solight difference, Sin Solight Solight Solight Solight Solight Solid Soli the Arecent variants of TPB, AFishbein and Cappella (2006) have relabeled @perceived @behavioral @control @to @self-efficacy. @Then, @ in⊠terms⊠of⊠green⊠buying⊠behavior,⊠the⊠self-efficacy⊠of⊠green⊠ customers can a flect their an indset that they have the potential for capabilityAoAdentifyAndAbuyAnvironmentallyAriendlyAproducts (Preko, 2017).

# Outcome Expectation, Self-Efficacy, and Subjective Norms on Green Purchase Intention

Expected Positive and Pregative Physical Activity Effects Areased in 2 the 2 SCT 2 to 2 conceptualize 2 the 2 outcome 2 expectation. 2 Other 2 outcomedexpectationdhypotheses,dsuchdasdsubjectivedexpectedd utility & theory & and & behavioral & conomics & theory, & claim & that & the & choice@of@ndividuals@to@respond@n@a@specific@manner@s@based@ on A heir & pected & outcomes & f & potential & havioral & lternatives & (Williams et&l.,2005). Then, based these conditions, several previousStudiesShaveSshownStheSroleSofSoutcomeSexpectationS as Indicator Information as Internation Internation as Internation Internation Internation Internation Internation Hsu, 2015; Liou Zet &l., 2019). Lin Zand Hsu (2015) found that the Soutcome Sexpectation Sof San Sindividual Sis Sinked Sto Shis/her green purchasing actions. In this scenario, positive mentits [e.g., ] compensation for a feeling of pride in helping the environment) will@improve@the@motivation@and@ability@of@an@individual@to@ engage in green consumption. Liou et al. (2019) showed that the Migher Athe Moutcome Mexpectation Mof Mair Apollution Acontrol and prevention "A of an A individual is, A the A higher A the A extent of 2 the 2 willingness 2 to 2 participate 2 in 2 air 2 pollution 2 control 2 and 2 prevention"IofIanIndividualIwillIbe.IBriefly,IsinceIoutcome expectation 2 is a belief of the consequences resulting from behavior and a judgment before action, the first hypothesis in the context of green personal care was proposed.

H1: Outcome expectation is society affecting the purchases intentions for green personals cares product; outcomes expectation of society of the society of t

Self-efficacy Sis Sone Sof The Scognitive Stactors Sthat Selieved Sto S have an essential role in prosocial or proenvironmental behaviors (Hanss And Böhm, 2010; Tagkaloglou And Kasser, 2018; Oliver A et al., 2019), which further can lead to green purchasing Intention. In & this & case, & the & positive & relationship & between & self-efficacy & and & green @purchasing@intention@can@be@seen@in@previous@studies@ conducted by Sharma and Dayal (2016), Han and Hyun (2017). Sharma\and\Daya\(2016)\discovered\addirect\and\)and\(2016)\) positive&relationship&between&self-efficacy&and&green&purchasing& intentions20of2consumers.2Green2purchasing2intention2will2be2 higher&when&beliefs&of&consumers&ead&o&heir&conscious&ction& to@minimize the@negative@mpact@n the@environment@f they@are@ efficacious. AHan And Hyun (2017) Also found that self-efficacy has@apositive@and@significant@mpact@on@the@proenvironmental@ intentions of Anuseum Arisitors. So, based on the previous research, it is clear that efficacy can be used to predict green purchasing intention. As&&result, & the & second & hypothesis & n& the & context & f& greenØversonal careØvasØvroposed.Ø

H2: & eff-efficacy is @positively affecting the purchase & intention & for & green &

There Was No agreement about how subjective norms influence green product purchasing intention. Although some previous desearchers do und that ubjective do may a degative effect on green product purchasing intention (Lee, 2010), the majority of drecent studies have alooked dat the positive deffect of subjective do norms do no green product purchasing and the positive deffect of subjective do norms do no green defect and the data of th

 $H3: \ensuremath{\mathbb{Z}}\scales \ensuremath{\mathbb{Z$ 

# Learning Experience, Outcome Expectation, and Self-Efficacy

processing technique in SCT. Information regarding behavior structure and row normation regarding technique in structure and the second structure and struct

H4: A carning experiences An A leveloping consumption-related attitudes A repositively affecting the butcome expectation.

H5: Learning & xperiences In Aleveloping & consumption-related attitudes & repositively affecting the & elf-efficacy.

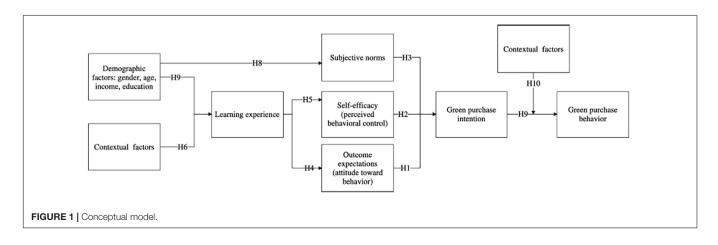
# **Contextual and Demographic Factors**

The&ontextual factor&denotes&an external&ondition that affects& the behavior of&ustomers.&Contextual factors,&such&as standard& of&juality, characteristics of the&product,&vailability of recycling& facilities, the&market&supply&f&materials,&physical&mfrastructure,& and&policy&incentives,&can&influence&individual&environmental& behavior,&which in&urn&vill&nfluence&individual&environmental& green&product (Santos,&2008;&Zepeda&and&Deal,&2009).&Zepeda& and&Deal (2009)&discovered&that the&contextual factors&could& be&seen&as&an&icentive&for&buying&behavior.&It&does&not&solely& depend&on&general&motivation as the&contextual factor&mpacts& individual&motivation&too.&For&example,&even&it&a&person&is& interested&in&purchasing&green&products,&they&cannot&purchase& such&&product&f&they&are&not&presented&for&ale&n&&eachable& place (Tanner&ind&Voifing Kast, 2003).&

Additionally, Athis & study & stends & the & construct & by & employing & learning experiences factors on the impact of & contextual factors & on & customer & green & purchasing & behavior, & since & Astin & (1984) & and & Vondracek & et & al. (1986) & highlight that & contextual factor & (resources, & poportunities, affordances, & br barriers) & presented by & a & particular & nvironmenta & variable & may & be & ubject & om dividual & interpretation. Thus, & t & may & courage & r & mhibit the & villing mess & of & earner & of & aes & courage & r & mhibit the & villing mess & of & earner & of & aes & monor & monor & behavior, & behavi

 $H6: \care{a} Contextual \care{a} factors \care{a} positively \care{a} affecting \care{a} the \care{a} earning \care{a} experiences \care{a} n \care{a} eveloping \care{a} to nsumption-related \care{a} thit udes. \care{a}$ 

Scholars have investigated the differences in learning approach/process/result based on demographic factors (i.e., sex, age, Alevel of education, and level income), among other Remali & tal. (2013), Xie and Zhang (2015), Aristovnik & tal. (2017), Arist



#### TABLE 1 | Measurement items.

Factors (constructs)	Measurement items
Outcome expectation (adapted from Lin and Hsu, 2015;	I think that practicing green consumer behavior by using green personal care product is conducive to sustainable development (GOE1)
Nguyen et al., 2019) (GOE)	I think that practicing green consumer behavior by using green personal care product is respectful and promotes equality in terms of the recent ecological situation (GOE2)
	I think that I will only purchase personal care product if I know the origin (the manufacturer that produces them) (GOE3)
	I think the packaging and ingredient of green personal care product have a significant effect on reducing water and land pollution (GOE4)
	I think my consumption of green personal care product is conducive to provide a high-quality living environment (GOE5)
Self-efficacy (adapted from Paul et al., 2016) (GSE)	There are likely to be plenty of opportunities for me to purchase green products (GSE1)
	If it were entirely up to me, I am confident that I will purchase green products. (GSE2)
	I believe I can purchase green products (GSE3)
	I have the resources, time, and willingness to purchase green products (GSE4)
	I feel that purchasing green products is not totally within my control (GSE5)
Subjective norms (adapted from Paul et al., 2016) (GVB)	Most of the people who are important to me think that I should purchase green personal care products when going to purchasing (GVB1)
	Most people who are important to me would want me to purchase green products when going for purchasing (GVB2)
	People whose opinions I value would prefer that I purchase green personal care products (GVB3)
	My friend's positive opinion influences me to purchase green personal care products (GVB4)
Learning experience (adapted	The outcome of my experience helped me to understand the environmental issues (LE1)
and compressed from Böhlmark and Jinlei, 2020) (LE)	The outcome of my experience helped me understand the negative impact of personal care product on the environment (LE2)
	The outcome of my experience helped me able to learn from the concrete example that I could to relate to reduce the negative environmental impact from personal care products (LE3)
	The outcome of my experience helped me to understand how using the personal care product is giving a negative impact on the environment (LE4)
	The outcome of my experience helped me to understand what I was expected from using green personal care products (LE5)
Contextual factors (adapted	The green personal care products are available in sufficient quantities in supermarkets (CF1)
from Joshi and Rahman, 2015)	Green personal care products can be found easily among several similar products (CF2)
(CF)	The green personal care products sold at a low or reasonable price (CF3)
	Green personal care products produced by a brand that has a good image (CF4)
	The green personal care products are labeled with eco-labeling, or eco-certification informs consumers about the green characteristics of the product (CF5)
Green purchase intention	I will consider buying green personal care product because they are less polluting (GI1)
(adapted from Nguyen et al.,	I plan to switch to another brand for ecological reasons (GI2)
2019) (GI)	I plan to pay more for a green personal care product that helps protect the environment (GI3)
	I plan to purchase green personal care in the next month (GI4)
Green purchase behavior	I prefer purchasing safe or traceability personal care product (GPB1)
(adapted from Nguyen et al.,	I prefer purchasing personal care product with the green label (GPB2)
2019) (GPB)	I rarely use personal care product with non-recycled packaging (GPB3)
	Personal care product using by my family are green product (GPB4)
	I introduce the green personal care product I use to my relatives and friends (GPB5).
Green marketing (adapted from	Green advertising is a necessary form of advertising of personal care products (GM1)
do Paco et al., 2019) (GM)	I tend to pay attention to the green advertising message, especially for personal care (GM2)
	I respond favorably to brands of personal care products that use green messages in their advertising (GM3)
Factors (constructs)	Measurement items
	I am the kind of customer who is willing to purchase personal care products marketed as being green (GM4)
	The use of green messages in advertising of personal care products affects my attitude toward the advertising (GM5)

# consumption-relatedkethypothesis waspurchasing behavior (Rizwan et al., 2013; Du et al., 2018; Shaoetetal., 2018; Wangetal., 2019; Songetal., 2018; Wangetal., 2019; Songetal., 2018; Shaoetal., 2018; Shaoet<t

 $Moreover, \ensuremath{\boxtimes} demographic \ensuremath{\boxtimes} factors \ensuremath{\boxtimes} (i.e., \ensuremath{\boxtimes} gender, \ensuremath{\boxtimes} age, \ensuremath{\boxtimes} level \ensuremath{\boxtimes} of \ensuremath{\boxtimes} age, \ensuremath{\boxtimes} level \ensuremath{\&} age, \ensuremath{\boxtimes} level \ensuremath{\boxtimes} age, \ensuremath{\&} age, \ensuremath{\&} age, \ensuremath{\boxtimes} age, \ensuremath{\&} age, \ens$ 

purchasing behavior (Rizwan et al., 2013; Du et al., 2018; Shao et al., 2018; Mang et al., 2018; Mang et al., 2018; Mang et al., 2018; Mang et al., 2019; Mang et al., 2019), Mas well as Mon subjective norms (Venkatesh and Morris, 2000; Morris et al., 2005; White Baker et al., 2007; Riquelme and Rios, 2010; Teo et al., 2012). For an Mexample, Lißet al. (2019) reported the positive effect of gender, age, and anome evel on proving proving that the positive of the start of

Demographic factors	Categories	Frequency	Percentage
Gender (DF1)	Male	303	50.30%
	Female	299	49.70%
Age (DF2)	Less than 26 years	125	20.76%
	26- less than 35	201	33.39%
	36- less than 45	105	17.44%
	45- less than 56	141	23.42%
	above 56 years	28	4.65%
Level of education (DF3)	Senior high school or diploma I or lower	110	18.30%
	Diploma III	60	10.00%
	Diploma IV or bachelor	326	54.10%
	Master	87	14.50%
	Doctoral degree or hinger	19	3.20%
Level of income (DF4)	less than USD 133.33	86	14.30%
	USD 133.33–less than 333.33 USD	185	30.70%
	USD 333.33–less than 666.66 USD	189	31.40%
	above 666.66 USD	142	23.60%

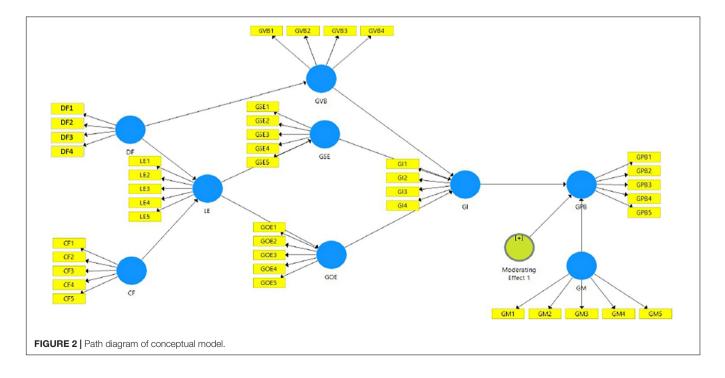
 $\label{eq:linear} higher \end{algebra} higher \end{algebra} with the and \end{algebra} with the and \end{algebra} with the and \end{algebra} with the and \end{algebra} with \end{alge$ 

green&consumption.⊠Then,&related&to&the&relationship&between& demographic&factors&and&subjective&norms,&Venkatesh&and& Morris (2000) reported that&females&tend to be&influenced by& subjective&norms&compared&to&nales.&riquelme&and&rios (2010)& concluded&that&gender&plays&a&role&in&moderating&the&effect& on&adopting&m-banking&services&through&subjective&norms&in& Singapore.&However,&Teo&t&al. (2012)&fail&to&prove that&gender& has&a&significant&positive&association&with&subjective&norms& Morris&t&al. (2005)&reported that&gender&and age&vere&ignificant& moderators&of&the&subjective&norm&on&behavioral&Intention.&In& contrast,&White Baker&t&al. (2007)&fail&to&prove&t. According&to& the above discussion, this study&proposed the eight hypotheses to& clarify&how&demographic factors&vill@nfluence&subjective&norms& rather&than&green&purchasing&decisions&since&subjective&norms& themselves will affect the purchasing decisions (see hypothesis 3).&

H8: Demographic factors are positively affecting the subjective forms.

# Purchasing Intention, Purchasing Behavior, and Green Marketing

Referring to TRAØ or TPB,Ø intentions and behaviors are significantly related when assessed at a significantly related when assessed at a significantly related when assessed at a significantly related when a sessed at a se



is⊠known⊠as the⊠green⊠attitude-behavior gap (Park⊠and⊠Lin,⊠ 2018),<sup>®</sup>the⊠green⊠intention-behavior⊠gap⊠(Frank⊠and⊠Brock,⊠ 2018),<sup>®</sup>or the⊠notivation-behavior gap (Frank⊠and⊠Brock,© 018),<sup>®</sup>or the 018), H9:\Purchase\intention\is\positively\affecting\the\purchase\betaburcha

Kotler⊠ and⊠ Amstrong⊠ (2016)⊠ said⊠ that⊠ actual⊠ purchase⊠ behavior⊠or⊠process⊠ when⊠ customers⊠ finally⊠ purchase.⊠ The⊠ positive⊠ relationship⊠ between⊠ green⊠ marketing⊠ and⊠ purchase⊠ decision⊠ has⊠ been⊠

Factors (constructs)	Measurement items	Mean	Sdt.Dev	First factor loading	Final factor loading	AVE	CR	Cronbach's Alpha	
Outcome expectation (GOE)	GOE1	3.940	1.092	0.515		0.622	0.868	0.801	
	GOE2	4.591	0.679	0.730**	0.742**	0.022	0.000	0.001	
	GOE3	4.648	0.631	0.756**	0.785**				
	GOE4	4.282	0.813	0.815**	0.812**				
	GOE5	4.316	0.771	0.795**	0.813**				
Self-efficacy (GSE)	GSE1	4.252	0.775	0.850**	0.852**	0.635	0.896	0.855	
	GSE2	4.163	0.831	0.864**	0.865**				
	GSE3	3.975	0.901	0.759**	0.757**				
	GSE4	4.339	0.763	0.827**	0.827**				
	GSE5	3.970	0.924	0.667*	0.665*				
Subjective norms (GVB)	GVB1	3.909	0.931	0.767**	0.799**	0.698	0.874	0.786	
, , ,	GVB2	3.580	0.982	0.841**	0.875**				
	GVB3	3.535	1.104	0.550	-				
	GVB4	3.296	1.061	0.838**	0.831**				
Learning experience (LE)	LE1	4.716	0.594	0.709**	0.725**	0.666	0.888	0.831	
	LE2	4.178	1.078	0.497	-				
	LE3	4.414	0.729	0.813**	0.807**				
	LE4	4.334	0.839	0.831**	0.846**				
	LE5	4.331	0.775	0.864**	0.879**				
Contextual factors (CF)	CF1	3.819	1.095	0.578		0.573	0.800	0.647	
	CF2	3.638	1.064	0.709**	0.679*				
	CF3	3.332	1.037	0.523					
	CF4	4.003	0.893	0.736**	0.775**				
	CF5	3.776	0.969	0.789**	0.811**				
Green purchase intention (GI)	GI1	4.229	0.743	0.820**	0.841**	0.767	0.908	0.848	
	GI2	3.970	0.872	0.546	-				
					loading			Alpha	
	GI3	3.895	0.840	0.877**	0.880**				
	GI4	4.032	0.801	0.883**	0.905**				
Green purchase behavior (GPB)		GPB1	4.038	0.756	0.781**	0.78**	0.540	0.854	0.78
		GPB2	3.573	0.900	0.795**	0.796**			
	GPB3	3.887	0.965	0.680*	0.678*				
	GPB4	3.256	0.965	0.666*	0.668*				
	GPB5	3.880	0.894	0.741**	0.742**				
Green marketing (GM)	GM1	3.945	0.868	0.594		-	0.529	0.817	0.70
	GM2	3.997	0.801	0.701**	0.700**				
	GM3	4.355	0.729	0.676*	0.675*				
	GM4	3.703	0.983	0.803**	0.803**				
	GM5	3.779	0.988	0.723**	0.723**				
Demographic (DF)	DF1 (age)			0.235		0.697	1.000	0.599	
- · · ·	DF2 (gender)			0.763**	0.935**				
	DF3 (education			0.712**	0.721**				
		DF4			0.133	-			
		(income)							

\*Valid factor loading > 0.6; \*\*strong factor loading > 0.7.

observed by Azimi Kand Shabani (2016), Sugoto Ket Kal. (2017), METHOD OF RESEARCH Dwipamurti Attal. (2018), And Genoveva And Levina (2019). And addition, & reen & marketing & lso & marketing & Since purchase Intention is positively related to purchase behavior (hypothesis 29) 2 and 2 green 2 marketing 2 is 2 also 2 positively 2 related 2 to\@purchase\Dehavior,\@this\Study\@extends\Dthe\@effect\Dof\@green\D marketing on purchase behavior by placing the green marketing factor as a moderating variable. Thus, Mypothesis 10 is proposed.

H10:ØGreenØmarketingØwillØstrengthenØtheØpositiveØeffectØ of @purchase@intention@on@purchase@behavior@for@a@green@ personal care product.

### Variable and Measurement Items

In & total, & 42 & items & were & used & in & this & study. & In & detail, & all & items & used In Athis Astudy Acan Abe Aseen In A Table I. A This Aresearch Aused a&Likert&scale&with&five&categories&(1&=&strongly&disagree&until& 5 = Strongly agree) to measure the Condition of all tems, except demographic factors.⊠

### **Data Collection Procedure**

For 1 this 1 study, 2 Google 2 Forms 2 was 2 utilized 2 to 2 develop 2 and 2 produce@web-based@surveys. Then, this@study@collects data@from@ web-based&urveys&hrough&combination&f&Anon-probability& of&convenience&and&purposive&sampling&technique.&This&study& prefers<sup>®</sup>to<sup>®</sup>choose<sup>®</sup>participants<sup>®</sup>with<sup>®</sup>age<sup>®</sup>older<sup>®</sup>than<sup>®</sup>17<sup>®</sup>years<sup>®</sup> because it is considered to have the ability to make purchasing decisions. Then, The Aparticipants Were Arecruited by Asending

Finally, Based On hypothesis 10 until hypothesis 10, 8 the conceptual2model of this2study can be een in2Figure 1.

TABLE 4 The result of discriminant validity

Factors (construct)	Indicator	CF	DF	GI	GM	GOE	GPB	GSE	GVB	LE
Contextual factors (CF)	CF2	0.679*	-0.026	0.191	0.309	0.095	0.259	0.24	0.357	0.156
	CF4	0.775*	0.081	0.286	0.297	0.301	0.259	0.361	0.267	0.321
	CF5	0.811*	-0.019	0.263	0.373	0.256	0.334	0.340	0.317	0.284
Demographic factor	DF2	0.043	0.935*	0.161	0.136	0.114	0.09	0.144	0.131	0.159
	DF3	-0.014	0.721*	0.064	0.035	0.104	0.069	0.093	-0.059	0.137
Green purchase intention (GI)	GI1	0.290	0.090	0.841*	0.581	0.532	0.575	0.651	0.301	0.559
	GI3	0.293	0.132	0.880*	0.572	0.452	0.676	0.616	0.356	0.454
	GI4	0.298	0.165	0.905*	0.599	0.473	0.669	0.643	0.395	0.500
Green marketing (GM)	GM2	0.430	0.030	0.393	0.700*	0.344	0.431	0.444	0.340	0.332
	GM3	0.261	0.057	0.494	0.675*	0.54	0.404	0.490	0.219	0.472
	GM4	0.273	0.103	0.597	0.803*	0.326	0.656	0.576	0.331	0.307
	GM5	0.310	0.148	0.423	0.723*	0.26	0.438	0.381	0.430	0.263
Outcome expectation (GOE)	GOE2	0.208	0.041	0.283	0.265	0.742*	0.209	0.343	0.059	0.497
	GOE3	0.280	0.049	0.371	0.353	0.785*	0.335	0.475	0.175	0.501
	GOE4	0.242	0.159	0.533	0.43	0.812*	0.410	0.521	0.271	0.597
	GOE5	0.261	0.128	0.506	0.461	0.813*	0.430	0.493	0.241	0.580
Green purchase behavior (GPB)	GPB1	0.282	0.104	0.637	0.503	0.431	0.780*	0.576	0.251	0.447
	GPB2	0.223	0.137	0.612	0.586	0.294	0.796*	0.526	0.311	0.299
	GPB3	0.320	-0.02	0.407	0.461	0.290	0.678*	0.420	0.215	0.304
	GPB4	0.237	0.122	0.402	0.418	0.162	0.668*	0.356	0.276	0.222
	GPB5	0.324	0.000	0.575	0.528	0.438	0.742*	0.505	0.403	0.409
Self-efficacy (GSE)	GSE1	0.338	0.088	0.651	0.549	0.524	0.573	0.852*	0.334	0.581
	GSE2	0.327	0.158	0.663	0.555	0.487	0.565	0.865*	0.355	0.505
	GSE3	0.363	0.126	0.536	0.545	0.385	0.532	0.757*	0.356	0.357
	GSE4	0.324	0.141	0.561	0.471	0.556	0.487	0.827*	0.320	0.608
	GSE5	0.387	0.064	0.456	0.533	0.357	0.477	0.665*	0.395	0.321
Subjective norms (GVB)	GVB1	0.355	0.027	0.284	0.324	0.247	0.271	0.338	0.799*	0.270
	GVB2	0.306	0.094	0.335	0.363	0.171	0.303	0.377	0.875*	0.172
	GVB4	0.337	0.067	0.377	0.432	0.215	0.409	0.367	0.831*	0.226
Learning Experience (LE)	LE1	0.279	0.056	0.370	0.313	0.56	0.312	0.422	0.127	0.725*
	LE3	0.279	0.187	0.507	0.430	0.549	0.397	0.529	0.206	0.807*
	LE4	0.306	0.157	0.424	0.327	0.545	0.355	0.462	0.231	0.846*
	LE5	0.297	0.166	0.557	0.416	0.61	0.445	0.571	0.281	0.879*

\*Indicated that the item belong to certain construct.

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# **Data Processing Technique**

For&data&processing,&this&study&employed&partial&east&squares& (PLS)&through&the&martPLS&0&oftware&that&manufactured&t& Germany. PLS is a statistical&pproach that&lepends on variance& measurement, which has two advantages. First, we may apply PLS& without&making&any&assumptions&about&the&distribution&of&the& data (Vinzi&t&l,&010).&PLS&requires&no&normal data&and&may& be&utilized&with&ategorical&or&ordinal&quasi-metric) data (Hair& et al.,&014). The second advantage is that PLS may be&used to& tiny&quantities of data (Wong, 2013).&

# RESULTS

# **Profile of Respondents**

# Path Diagram

 $\label{eq:link} The \ensuremath{\mathbb{Z}} an \ensuremath{\mathbb{Z}} of \ensuremath{\mathbb{Z}} the \ensuremath{\mathbb{Z}} conceptual \ensuremath{\mathbb{Z}} model \ensuremath{\mathbb{Z}} can \ensuremath{\mathbb{Z}} be \ensuremath{\mathbb{Z}} seen \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} figure \ensuremath{2.\mathbb{Z}} and \ensuremath{\mathbb{Z}} seen \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} seen \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} seen \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} seen \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} seen \ensuremath{\mathbb{Z}} in \ensuremath{\mathbb{Z}} in$ 

# Result of Evaluation of Measurement Models

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were evaluated through convergentAndAliscriminant validityAndA reliabilityAtest.AloQuaranteeAconvergentAndAliscriminant validityAndA factorAloadings < 0.5&were excludedAromAurtherAnalysis (FornellA andAlarcker,Al981).AFollowingAthat,AtheAfactorAloadingAofAeachA item is recalculated, as are the values of average variance extractedA (AVE),AcompositeAreliabilityACR),AndACronbach'sAlphaAralueAofA each factorAlconstruct).ATable 3 shows theAnitialAndAlinal factorAloadingsAofAeachAtem,AasAwellAasAtheAraluesAofAAVE,ACR,AandA Cronbach's alpha value of each factorAlconstruct).ATable 3 showsA eightAtems,Anamely,GOE1,AGV3,ALE2,ACF1,ACF3,AGI2,AGM1,ADF1,A andADF4, thatAvereAliminatedAromAurtherAnalysis.A

This&tudy&supports the&construct if the AVE&> 0.5 (Fornell and&Larcker,@1981),&he@CR&> 0.6 (Fornell&nd Larcker,@1981),& and&he@Cronbach's&alpha>> 0.6 (Akter&t&al.,@011). As&seen&na **Table 3**,&all&constructs have AVE>> 0.5,&and&all&constructs have@ CR&and@Cronbach's&alpha>> 0.6.&As&a&consequence,&based&on@ the&inal factor@oading of&all@tems&and the values of AVE, CR,& and@Cronbach's&alpha&values&for&all&constructs,&the&convergent@ validities&of&allMitems&are&sufficient,&and&the&calculation@model@ also@demonstrates@that@each&construct@displayed@appropriate@ reliability. Then,&**Table 4**&shows&the&discriminant&validity&result@ from the&inal%teration. Evaluating the factor@oading@nside the@ columns&n%**Table** 4&reveals that in&all&circumstances, the factor% loading&of&an%tem&vithin%ts&construct&s&arger&than&any&of%ts% cross-loading&vith other&constructs.@

# **Result of Evaluation of Structural Model**

The validity of the \$\$ tructural model used in this study is discussed in \$\$ the \$\$ the \$\$ in \$\$ the \$\$ the \$\$ in \$\$ the \$\$ the \$\$ in \$\$ the \$\$ in \$\$ the \$\$ the \$\$ in \$\$ the \$ the \$ the \$\$

Statistica	al test	Value	Result		
R <sup>2</sup>	R <sup>2</sup> GI	0.561	0.19-weak; 0.33- moderate;0.67- strong/substantial <sup>a</sup>	Moderate	
	R <sup>2</sup> GOE	0.482		Moderate	
	R <sup>2</sup> GSE	0.610		Moderate	
	R <sup>2</sup> GPB	0.374		Moderate	
	R <sup>2</sup> GVB	0.019		Weak	
	R <sup>2</sup> LE	0.154		Weak	
$Q^2$		0.945	$Q^2 > 0^b$	d predictive relevance- close to	
f <sup>2</sup>	GOE GI; GSEGI	0.055; 0.414	0.02-weak;0.15-moderate; 0.35-strong <sup>c</sup>	Weak; Strong	
	LE GOE	0.931		Strong	
	LEGSE	0.598		Strong	
	GI GPB; GM GPB	0.362; 0.170		Strong; Moderate	
	DF GVB	0.019		Weak	
	CF LE; DFLE	0.143; 0.024		Weak (close to moderate);	
GoF		0.395	0.1-small; 0.25-moderate; and 0.36-large <sup>c</sup>	Weak	
				Large	
SRMR		0.077	Less than 0.08 -good fit; 0.05- 0.1-an adequate fit <sup>d</sup>	Good Fit	
c²/df		2.400	0.00–2.00: good mode; up to 3.00 a reasonable fit <sup>e</sup>	Reasonable fit	
NFI		0.703	Higher than 0.90 -a good fit; 0.50 to less than 0.80- marginal fit <sup>e,f</sup>	Marginal fit	

Source: <sup>a</sup>Chin (1998); <sup>b</sup>Vinzi et al. (2010); <sup>c</sup>Tenenhaus et al. (2005); <sup>d</sup>Hu and Bentler (1999), Senel (2011), and Dede and Ayranci (2014); <sup>e</sup>Schermelleh-Engel et al. (2003), Holmes-Smith (2000); <sup>f</sup>Ghozali (2011).

#### TABLE 6 | Result of hypothesis testing.

	Relationship			Factor Loading (b)	t-value	<i>p</i> -value	Result
H1	Outcome expectation	$\rightarrow$	Purchase intention for green personal care product	0.193	8.564	(0.000)	Accepted
H2	Self-efficacy	$\rightarrow$	Purchase intention for green personal car product	0.566	13.692	(0.000)	Accepted
H3	Subjective norms	$\rightarrow$	Purchase intention for green personal care product	0.108	3.347	(0.001)	Accepted
H4	Learning experiences	$\rightarrow$	Outcome expectation	0.694	22.835	(0.000)	Accepted
H5	Learning experiences	$\rightarrow$	Self-efficacy	0.612	16.140	(0.000)	Accepted
H6	Contextual factors	$\rightarrow$	Learning experiences	0.350	10.418	(0.000)	Accepted
H7	Demographic factors	$\rightarrow$	Learning experiences	0.144	0.058	(0.013)	Accepted
H8	Demographic factors	$\rightarrow$	Subjective norms	0.135	2.092	(0.036)	Accepted
H9	Purchase intention	$\rightarrow$	Purchase behavior	0.510	11.559	(0.000)	Accepted
H10	Purchase Intention	$\rightarrow$	Purchase				Accepted
		Green Marketing	Behavior	0.064	2.096	(0.036)	Accepteds

residual@SRMR),@and the@normed@it@ndex (NFI)@for assessing the@validity of the@structural@model. The result can be@seen in@**Table 5**.@

### **Result of Hypothesis Testing**

The hypothesis test results are shown in **Table** 6. If a p-value <br/> < 0.05 k sist between the independent and dependent variables, the prothesis is accepted.

Based⊠n **Table 6**, Based⊠n **table**, Based⊠n **table 1**, Based⊠n **table 1**, Based∭n **table 1**, Based Based **table 1**, Based∭n **table 1**, Based 1 **table 1**, Bas

# CONCLUSION

AI recentII study adds to the broader literature on green purchasing behavior. This study suggests that self-efficacy, outcome expectation, and subjective horms play a wital role in fluencing purchase antention for green personal are products. One of the startling findings in this study was that self-

efficacy and outcome expectationAmoreAnfluencing the purchaseA intention ofAgreen personal care than subjectiveAnorms. This canA beAattributedAtoAtheAfactAthatAinitiatingAfromAoneselfAoverAtheA external factorsAvasAmoreAdominantAforApurchasingAntentionAofA personal careAproducts. Then, developing a learning experienceA wasAanAimportantApartAofAencouragingAtheAself-efficacyAandA outcomeAexpectationAofAcustomers,AandAthatAcontextualAfactorsA influencedAlearningAexperienceAinAdevelopingA consumptionrelatedAattitudesAtoAgreenApersonalAcareAproducts.AMoreover,A although theAbehaviorAofAconsumersAoApurchaseAgreenApersonalA

care⊠products⊠is⊠highly⊠influenced⊠by⊠their⊠intention,⊠green⊠ marketing has an essential⊠ole in⊠trengthening the⊠telationship.⊠

The results that Arisen from this study propose the theoretical and 2 managerial 2 implications. 2 In 2 theoretical 2 implications, 2 first, 2 the&research&may&be&helpful&to&those&studying&the&behavior&of& individuals@and,@n@particular,@customer@behavior@as@it@eads@to@ enhancing&science@iterature@relevant&to@human&choice@factors.@ Then, Since all of the proposed hypotheses were fulfilled, athis condition highlighted the potential of variables to build sustomer choices@profoundly.@Precisely,@starting@from@the@consideration@ of 20the 20t framework@through@including@the@variable@from@SCT,@SLT,@ and @green @marketing, @the @analysis @confirmed @the @incidence @of outcome@expectation,@self-efficacy,@subjective@norms,@contextual factors, and earning experiences on the behavioral Intention of people,Zwhich,ZinZturn,ZwasZableZtoZaffectZtheZactualZbehaviorZ in Dpurchasing Othe Ogreen Opersonal Ocare Oproduct. This Ostudy confirmed the theoretical @framework @of Ajzen (1991) @similar @ to&humerous&other&iterary&studies.&However,&ntroducing&hree& other variables (i.e., learning experience, Contextual factors, and green@marketing) to extend the TPB framework, it is highlighted that&simply&considering&the&classical&variables&of&FPB&could&be& insufficient, at least in forcing the green dustomer to purchase the TPB green&ustomer care&roduct. In fact, in deciding to purchase the green product, the behavioral Intention and actual behavior are@induced@by@situational@factors@as@well@as@green@advertising@ from the & company & and & hose & conditions & uggest & o & cholars & he & importance/of/anot/abeing/arestricted/ato the/application/of the/arPB/application/applicat for the Investigation of the phenomena Conditioning the Choice of green product but to propose based on what has been shown by priorAindings, Ancluding thew And Abroader Aconceptualizations.

The&proposed&model&and&ts&indings&vill&provide&empirical& proof& of& the& causes& or& variables& that& influence& customer& behavioral&intentions&to&buy&green&personal&care&products&in& managerial implication. In&particular, this work can be&onsidered& beneficial to&making decisions that can be&used by&ntrepreneurs& and&nanagers who&heed&o&inderstand&customer&references&ind& the&explanations&for&such&buying&decisions,&specially&in&green& personal care.&Understanding why people behave the way they do& helps&firms&fo&predict&potential&patterns,&giving them&nore&firm& to&dentify&and&execute&plans&hat&can&neet&heir&demands&and,& asAvesult, Aretain them. An this Arespect, the Study Stressed that the decision of consumers to duse a green of consumers to duse a green of the second dust was2hot based2on chance2out2rather2on easily2detectable factors2 and, & herefore, & manageable. & For & xample, & he & management & and & entrepreneur should pay attention to self-efficacy since this factor hasØbeenØprovenØtoØinfluenceØtheØbehavioralØintentionØofØanØ individual. The two stomer seems to choose what they believe they can@manage&f they have the&requisite&resources.&n&ther&vords,& it may be helpful to make consumers believe that they have all of 2 the 2 resources 2 necessary 2 to 20 obtain 2 a 2 personal 2 care 2 product 2 that adheres to green practices. Since companies generally charge a\[Delta premium \]for \[Delta green \[Delta products \]while \[Delta consumers \]are \[Delta usually \[Delta barbox are \] sensitive&toward&price&(they&are&willing&to&buy&green&products& but&not&at&higher&prices),&those&who&manage&a&green&personal& the product following the willingness to pay from the customer who&sensitizes&to&price&(it&assumes&that&the&willingness&to&pay& of&customers&has&been&accorded&to&ownership&of&resources&by& the&consumer).&The&companies&should&overthink&the&pricing& strategies" that make the product a fiche product "consumable onlyZby&aZsectionZofZsocietyZratherZthanZaZmassZproductZthatZ everyone@can@consume.@It@could@be@said@that@pricing@is@one@  $solution \verb+ Mto + make \verb+ Mto + make + mak$ resources&to&buy&the&green&personal&care&product.&The&other& manager&or&entrepreneurship&can&attract&customers&who&have& limited 2 time 2 and 2 do 2 not 2 like 2 to 2 search 2 for 2 environmentally sustainable@products. Those@who@manage a@green@personal care@ product should docus on easily accessible/available green personal care<sup>™</sup>products in the<sup>™</sup>upermarket.<sup>™</sup>

Another@managerial@mplication@related@to@the@positive@effect@ ofXoutcomeXexpectationXonXgreenXpurchaseXintentionXandXtheX role@of@green@marketing@to@moderate@the@relationship@between@ intention to actual purchase behavior suggests that those who&manage&a&green&personal&care&product&should&focus&on& giving&information&to&customer&related&to&the&effect&of&their& consumption Apatterns Aon Anature And Asociety, AThis Anformation A boost the buy intention and real purchase motivation of customers Dy & llowing & hem & o & bjectively & analyze & he & benefits & of green purchasing activities and anotemplate how their actions might@help@nature@and@society.@In@addition@to@providing@the@ information, & policymakers & can & cultivate & and & further & develop & t through Invironmental Inducation, Inducation, Induced and Induced campaigns&o@ncrease&public&wareness&of&green&personal&care& products, Inform Consumers of the Meaning and Availability of green&personal&care&products,&and&proclaim&the&advantages&of& using&reen&ersonal care&roducts.

There&are@imitations&to@this&study,@just@like&any&other.@In& selecting&articles&for&this&review,&the&authors&tried&to&be&both& systematic and accurate, Dut there are still some short comings differentII culturesII and II socialII backgroundsII may experience different effects from the variables identified. This study The authors would like to thank all the participants in this study.

considered the Simpact of demographic factors but did not separately test each demographic factor in the conceptual model. Future studies may explore this imitation by setting the conceptual2model for specific2demographic factors and2compared the result obtained. The other imitation of the study is related to the Ause Apple to the analysis of the automatic terms and terms a questionnaire as Quantitative Quanalysis has advantages in Arms of&ample&ize&nd&ccessibility,&t&did&not&llow&us&understand& why the stustomer selects green personal care products. To solve this Dimitation, The Cadditional Study Could De Conducted In The Dimeter of the Conducted Deconducted Deconducteed Deconducted Deconducteed Deconducte future\by\BusingBqualitative\BanalysisB(e.g.,Bdetailed\Binterviews)B and@compared@the@findings@whether@it@is@identical@to@the@ones@ produced in this quantitative analysis.

# DATA AVAILABILITY STATEMENT

The Soriginal Contributions Spresented In the Study Stre Included in Athe Marticle/supplementary Material, Murther Minquiries Acan De directed to the corresponding author/s.

# ETHICS STATEMENT

Ethical@review@and@approval@was@not@required@for@the@study@ on\man\participants\maxim\_accordance\maxim\_with\maxim\_he\maxim\_oca\maxim\_egislation\maxim\_ and institutional requirements. Written informed consent from 2 the 2 participants 2 was 2 not 2 required 2 to 2 participate 2 in 2 this 2 study in accordance with the national legislation and the institutional@requirements.Ø

# AUTHOR CONTRIBUTIONS

AS and NPIconceived and designed the study. PL participated in the acquisition of data. NPIanalyzes the data. ASIand BT gave advice@on@methodology@and@drafted the@manuscript. AS and PL@ revised the manuscript. AS is the guarantor of this work and had full access to all the data in the study and takes responsibility for its integrity and the accuracy of the data analysis. All authors read and pproved the Minal Manuscript.

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# ACKNOWLEDGMENTS

# REFERENCES

- Ajzen, XI. X (1991). AThe Atheory X of Aplanned X behaviour. X Organ. X Behav. X Hum. X Decis. X Process. 50, 279-211.
- Ajzen, A., & Mand & Fishbein, 200. & Understanding Attitudes & Mand & Fornell, 200. & Mand Behaviour. Englewood Cliffs, INJ: Prentice Hall.
- Ajzen, A., And Fishbein, M. (2005). A The Anfluence of Attitudes Son Schehaviour, Mn A The Handbook of Attitudes, eds D. Albarraciín, B. T. Johnson, and M. P. Zanna (Mahwah, MJ: Lawrence Erlbaum Associates).
- Ajzen, I., and Madden, T. J. 21986). Prediction of goal directed behaviour: Attitudes, intentions, and aperceived abehavioral acontrol. J. Exp. Soc. Psychol. 22, 2453-474. doi:20.1016/0022-1031(86)90045-42
- Akter, S., D'Ambra, J., and Ray, P. 2011). Trustworthiness in mHealth information services: an assessment of aMhierarchicalMmodel with mediating and Mmoderating effects Susing Spartial Seast Sequares (PLS). SAssoc. Str. Sci. Stechnol. 62, St. 00-116. doi:20.1002/asi.21442
- Aristovnik, A., Tomazevic, N., Kerzic, D., And Umek, I. (2017). The Ampact of A demographic factors In Melected aspects of Pelearning in higher Aducation. Int. J. Inf. Learn. & Technol. \$4, \$2, 14-121. \$4, \$2, 0.1108/IJILT-09-2016-0045\$
- Astin, IA. IW. I. (1984). Istudent involvement: I all development theory of or the second sec education. A. Coll. Stud. Dev. A0, 2518-529.
- Autio, A. M., & Keeley, R. & H., & Klofsten, M., Parker, & G. & C. & G., & M. & 2010). & EntrepreneurialIntentIamongIstudents in ScandinaviaInd in the IUSA.Int.I.I. Entrep. Innov. Manag. 2, 345-160. Sdoi: 30.1080/14632440110094632
- Azimi, G., and Shabani, M.2016). The effect of green marketing mix on purchase decision-making&tyles&f&ustomers. Ant. A. Adv. Biotechnol. Res. & & 97-805.
- Bandura, A. (1986). Social Foundations of Thought and Action: A Social Cognitive Theory. Englewood Cliffs, INJ: Prentice Hall.
- Bandura, A.A. (2006). M Social Cognitive Atheory, Min Encyclopaedia Of Industria A and Organizationa Psychology, Ded. DS. DRogelberg (Beverly Hills, DCA: DSage Deverly Dever Publications).
- Bandura, 🗛. 🏽 (2008). 🛛 Toward 🖾 n 🖓 agentic 🖾 heory 🖄 f 🖄 he 🖧 elf, "🖄 n 🗛 dvances 🖄 n 🐼 elf Research: Self-Processes, Dearning, Dand Denabling Human Dotential, Dol. D., Deds D H. Marsh, R. G. Craven, and D. M. McInerney, (Charlotte, NC: Information Age@Publishing), 5-49.
- Böhlmark, AG., And Ainlei, A.A. (2020). Developing An Donline Learning Module For CA Programming@and@Lego@Robot@EV3@Programming.@Available@online@at:@http://@ www.diva-portal.se/smash/get/diva2:1477443/FULLTEXT01.pdf (accessed@uly@ 1. 2021)
- CEAPX(2007). China General Public Environmental Awareness Survey. Available onlineAtt: Attp://www.chinaceap.org/ (accessed Quly 1, 2021).
- Ceglia, ID., Ide Oliveira, IL. S. A., Nand Leocádio, A. A. L. (2015). An Salternative theoretical Miscussion Mon & ross-cultural Mustainable & consumption. Sustain. Dev. M 23, A14-424. doi: 0.1002/sd.1600
- Chen, S. S. C., Sand Hung, C. W. 2016). Elucidating the Stactors Sinfluencing the State of the S acceptance2of2green2products:2an2extension2of2theory2of2planned2behaviour.2 Technol.@Forecast.@Soc. Change 12, 25-163.
- Chin, 2W. 2(1998). 2 The Partial Deast Squares Papproach For Structural Equation D modelling,"In Modern Methods Yor Business Research, Ad. AG. A. Marcoulides A (Mahwah, MJ: Lawrence Erlbaum Associates), 295–336.
- Dede, N. P., and Ayranci, E. (2014). Exploring the Connections Among Spiritual leadership, Altruism, and Arust in family Businesses. Qual. Quant. A8, B373-3400. doi: 0.1007/s11135-013-9962-x
- do@Paco,@A.,@Shiel,@C.,@and@Alves,@H.@(2019).@A@new@model@for@testing@green@ consumer28behaviour.21.202lean.22rod.2207,2998-1006.2doi:220.1016/j.jclepro.2018.2 10.105
- buys@new@energy@vehicles@n China? Assessing@social-psychological@predictors@ of purchasing awareness, Intention, and Policy. Iransp. Res. F Traffic Psychol. Behav. \$8, \$6-69. doi: 0.1016/j.trf.2018.05.008
- Dwipamurti, I.I.G., Mawardi, M.K., Mand Nuralam, I.A. (2018). The Seffect of green marketing on brand image and purchase decision (study on consumer of Starbucks Café Ubud, Gianyar Bali). J. Adm. Bisnis. 63, 57-64.
- Echegaray, A., Mand Hansstein, A. 2017). Assessing the Intention-behaviour gap inZelectronicZwasteZrecycling: TheZcaseZofZBrazil.ZJ. ZClean. ZProd. ZI 42, ZI 80-190. Z doi:20.1016/j.jclepro.2016.05.064

- Eurobarometer.22011). Attitudes 2012 European Citizens 21 Owards the Environment. Brussels: European Commission.
- Fishbein, M., and Cappella, J. N. 2006). The role of theory in developing effective communication. A. Commun. 26, A-17. Adoi: A0.1111/j.1460-2466.2006.00280.x A
- unobservable@variables@and@measurement@error.@. Mark.@Res.@18,@9-50.@doi:@ 10.1177/002224378101800104
- Frank, P., And Brock, C. 2018). Bridging the Antennion-behaviour gap among organic@grocery@customers:@the@crucial@role@of@point-of-sale@information.@ Psychol. Mark. 35, 586-602. 20102/mar.21108
- $Genoveva, \boxtimes G., \boxtimes and \boxtimes Levina, \boxtimes L. \boxtimes (2019). \boxtimes The \boxtimes green \boxtimes marketing \boxtimes mix: \boxtimes a \boxtimes review \boxtimes of \boxtimes Superior (Marketing Marketing Mark$ customersØbody@shop@purchase@ntention.Ø Muara@lmu@Ekonomi Dan Bisnis@ 3, 2400-409. 2doi: 20.24912/jmieb.v3i2.7386
- Ghozali, 2011). Aplikasi Analisis Multivariate Ingan Program Program Program Company Angle Company Com Universitas Diponegoro.
- Gleim, M., Smith, J. S., Andrews, D., and Cronin, J. (2013). Against the Agreen: a multi-method examination of the barriers to green & consumption. Ø. Retail. 289, Ø 44-61. doi: 0.1016/j.jretai. 2012.10.001
- Hair,ØJ.ØF.,ØSarstedt,ØM.,ØHopkins,ØL.,ØandØKuppelwieser,ØV.ØG.Ø(2014).ØPartialØ least&quares&structural@quation&modelling@PLS-SEM):&an@emerging&ool@n@ business@research.@Eur.@Bus.@Rev.@26,@106-121.@ doi:@10.1108/EBR-10-2013-0128
- Han, M. M. Mand Hyun, S. S. 2017). Fostering Scustomers' Dro-environmental Dehavior 1259318
- Hanss, D., And Böhm, G.A. (2010). Can II make a difference? The role of generalAndAtomain-specific&elf-efficacyAn&ustainable&consumptionAtecisions. Umweltpsychologie 4,46-74.
- Hanss, D., Böhm, G., Doran, R., and Homburg, A. (2016). Sustainable & consumption of groceries: the Amportance of Abelieving that Sone can Contribute to Sustainable development. Sustain. Dev. 24, 257-370. 2001: 20.1002/sd.1615
- Hartmann, P., And Apaolaza, N. 2006). Green Value Added. Mark. Antell. Plan. 24, A 673-680.\doi:\0.1108/02634500610711842\
- Haws, &K. &L., &Winterich, &K. &P., & and &Naylor, &R. &W. &(2014). &Seeing & the & world & through@green-tinted@glasses:@green@consumption@values@and@responses@to@ environmentally@friendly@products.@Consum.@Psychol.@Rev.@24,@36-354.@ doi:@ 10.1016/j.jcps.2013.11.002
- Holmes-Smith, P. 2(2000). 2Introduction 2to Structural Equation Modelling Using LISREL. Perth: ACSPRI-Winter Training Program.
- Hu, A. M. , Mand Bentler, P. M. (1999). Cut-off&riteria For Ait Andexes An Acovariance structure🖾analysis:🖾conventional🖾criteria🖾versus🖾new🖾lternatives.🖾*truct*.🖾*Equ*.🖾 Model.26, 2 - 55. 2 doi: 20.1080/10705519909540118
- Hunt, S. D., Sand Vitell, S. J. (1986). A Segeneral theory of marketing ethics. J. Macromarket. 36, 35-16. 201177/027614678600600103
- Joshi, Y., and Rahman, Z. (2015). Factors affecting green purchase behaviour and future@research directions.@nt. Manag.Rev.@, 128-143.@doi:@0.1016/j.ism.2015.@ 04.001
- Kotler, And Amstrong, G. (2016). Principles of Marketing, Childen A. Ondon: Pearson Education Limited.
- Kotler, @P., @Keller, @K.@L., @Ancarani, @F., @and @Costabile, @M.@(2014). @Marketing @ Management, 14th Edn. New Work, NY: Pearson.
- Kun-Shan, W., And Yi-Man, T. (2011). Applying the extended theory of planned behaviour to predict the Intention of visiting a green Photel. Afr. J. Bus. Manag. 5,27579-7587.2doi:20.5897/AJBM11.6842
- Lang, ØB., Øand ØHyde, ØK. ØF. Ø(2013). ØW ord Øof Ømouth: Øwhat Øwe Øknow Øand Øwhat Ø we2have2yet2to2learn.2J.2Consum.2Satisf.2Dissatisf.2Complain.2Behav.226,2 3-18.
- Lee, IX. I (2010). IT he I green I purchase Dehaviour I of Hong Kong Young Consumers: I the@role&of&peer&influence,&local&environmental&involvement,&and&concrete& 08961530.2011.524575
- Leonidou, ØC. ØN., ØKatsikeas, ØC. ØS., Øand ØMorgan, ØN. ØA. Ø(2013). ØGreening Øthe Ø marketing@mix:@do@firms@do@it@and@does@it@pay@off?@J.@Acad.@Mark.@Sci.@41,@ 151-170. doi: 0.1007/s11747-012-0317-2
- Li, D., Zhao, L., Ma, S., Shao, S., And Zhang, L. (2019). What Ainfluences And individual's pro-environmental behaviour? A literature review. Resour. Conserv. Recycl. 46, 28-34.

- Lin, H. Y., and Hsu, M. H. (2015). UsingSocial cognitive theory to investigate green consumerShehaviour. Bus. Strat. Environ. 24,226–343. Edoi:20.1016/j.resconrec. 2019.03.024
- Liu, M., Jin, S., Zhu, H., Mand Qi, X. (2018). Construction & farevised PB model M fa customer & green & behaviour: & nvironmental protection & purpose & and & cological values perspectives. IOP Conf. Ser. Earth Environ. Sci. (267, 22–21. & doi: 20.1088/ 1755-1315/167/1/012021
- Martin, & ... & ..
- Moons, M., Mand De Pelsmacker, P. M. (2012). Emotions & Meterminant & Me
- Morris, M.M.G., Wenkatesh, MV., Mand Ackerman, MP. ML. 2005). MGender Mand Mage Mifferences Mn Remployee Adecisions Mabout Mnew Mechnology: Ran Rextension MoR Mechanical theory Man Rest Manage Manag
- Nguyen, M. W., Nguyen, M. C.M., Mnd Moang, M. M. & M. (2019). MGreen & consumption: closing the Intention-behaviour gap. *Sustain*. *Dev*. M7, M18–129. Moi: M0.1002/M sd. 1875
- $\label{eq:linear} Nielsen. & (2014) \ensuremath{\boxtimes} Consumers \ensuremath{\boxtimes} are & Willing \ensuremath{\boxtimes} to \ensuremath{\boxtimes} Put \ensuremath{\boxtimes} Their \ensuremath{\boxtimes} And \ensuremath{\boxtimes} Comes \ensuremath{\boxtimes} to \ensuremath{\boxtimes} Comes \ensuremath{\boxtimes} to \ensuremath{\boxtimes} Socia \ensuremath{\boxtimes} Responsibility \ensuremath{\boxtimes} New \ensuremath{\boxtimes} vork \ensuremath{\boxtimes} NY \ensuremath{\boxtimes} Available \ensuremath{\boxtimes} on \ensuremath{\otimes} are \ensuremath{\boxtimes} to \ensuremath{\boxtimes} Socia \ensuremath{\boxtimes} Responsibility \ensuremath{\boxtimes} New \ensuremath{\boxtimes} vork \ensuremath{\boxtimes} NY \ensuremath{\boxtimes} Available \ensuremath{\boxtimes} on \ensuremath{\otimes} are \ensuremath{\boxtimes} to \ensuremath{\boxtimes} scale \ensuremath{\boxtimes} responsibility \ensuremath{\boxtimes} New \ensuremath{\boxtimes} vork \ensuremath{\boxtimes} are \ensuremath{\&} are \ensuremath{\&} are \ensuremath{\&} are \ensuremath{\&} are \ensuremath{\&} are \ensuremath{\&} are \ensuremath{are} are \ensuremath{\&} are \ensuremath{are} are \ensuremath{are} are \ensuremath{are} are \ensuremath{are} are \ensuremath{are} are \ensuremath{are} are \ensurem$

are-willing-to-put-their-money-where-their-heart-is1/⊠ (accessed⊠ June,⊠ 2014).⊠

- Oliver.⊠ J.,⊠ Benjamin,⊠ S.,⊠ and⊠ Leonard,⊠ H.⊠ (2019).⊠ Recycling⊠ on⊠ vacation:⊠ does⊠ pro-environmental⊠ behaviour⊠ change⊠ when⊠ consumers⊠ travel?⊠ J.⊠ Glob.⊠ Sch.⊠ Mark.⊠ Sci.⊠ 29,⊠ 266–280.⊠ doi:⊠ 10.1080/21639159.2019.157⊠ 7158⊠
- O'Neal,@P.@W.@(2007).@Motivation@of@Health@Behaviour.@New@York,@NY:@Nova@Publishers.@
- Park, H. J., and Lin, L. M. 2018). Exploring&ttitude-behaviour gap in&ustainable& consumption:@comparison&of@recycled@and@upcycled fashion&products.20.28. *Res* 17,2523–628.200i;20.1016/j.jbusres.2018.08.0252
- Paul, J., Modi, A., and Patel, J. (2016). Predicting green product& onsumption using& theory&htplanned&behaviour&and&easoned&ction.@.@*Retail.*&*Consum.*&*erv.*&9,& 123–134.&doi:@0.1016/j.jretconser.2015.11.006
- Peloza, Ø., White, K., & and Øingzhi, S. (2013). Good & and & white, K., & and Bingzhi, S. (2013). Good & and & white & accountability & n& nfluencing & preferences & or & products & with & thica & thica & J. Mark. & 7, & 04–119. & doi: & 0.1509/jm.11.0454 & Mark. & T. & accountability & accoun
- Preko, MA. MK. A. (2017). Analysis & Masocial Mcognitive Amodel Mn Mahe & context & Mgreen M marketing: a Matudy of the Ghanaian & nvironment. & us. & Perspect. Res. & M6–99. doi: M.0.1177/2278533716671631 M
- Radhika, S., and Mivedha, M. S. 2020). Research on effects of temographic factors on the main of the main of the main of the factors of the main of th
- Rahman, A. S. M. S., Barua, A., Hoque, R., and Zahir, M. D. R. (2017). Anfluence of green Anarketing on Monsumer behaviour: a realistic study on Bangladesh. (M. M. M. Manag, Bus, Res. 17, 19–16. (2017). 2017 (2017
- Remali, A. M. A. M. Ghazali, M. M. A., Kamaruddin, M. M. K., and Kee, T. Y. M. (2013). Understanding academic performance based Concentration of the constraint of the cons
- Riquelme, MH. ME., Mand MRios, MR. ME. M. (2010). MThe Monderating Meffect Monthe Mark. Ma
- Rizwan, M., Massan, M., Mand Javeed, M. (2013). MFuture & Massan, M., Mand Massan, M. (2013). MFuture & Massan, M. (2013). MFuture & Massan, M. (2013). MSA and Massan, Mas
- Santos, G. 2008). "The London experience," in *Pricing in Road Transport: A Multi-Disciplinary Perspective*, & ds E. & Verhoef, & W. & Wan, & & Steg, & and & Bliemer (Cheltenham: & dgar Elgar).

- Senel, MM. Ø(2011). ØAn Øapproach Øto Ømeasuring Øbrand Øloyalty Øin Øthe ØTurkish Ø automotive Øsector *ØJludag J. Æcon. & Soc. &* 0, Ø37–154. Ø
- Shao, S., Tian, Z., and Fan, M.@2018). Do the rich have&tronger&villingness to pay for&environmental&protection? New evidence&Trom a&survey&n China. Morld& Dev. @ 05, & 3-94. @doi:@ 0.1016/j.worlddev.2017.12.033
- Sharma, N., and Dayal, R. (2016). Drivers of green purchase Antentions: green selfefficacy and perceived a consumer effectiveness. *Glob* & *Enterp. Inf*. Syst. 8, 27–32. doi:20.18311/gjeis/2016/15740
- Shove, Ze., ZandZW alker, ZG Z (2010). Governing Aransitions An Rhe Sustainability 2018 everyday Mife & es. 201. 2019, 2019. A Constraint of the State of the Sta
- Sreen, M., Murbey, S., Mand Sadarangani, M. M. (2018). Mapact Sof Kulture, Scheaviour and Bender Mon Byreen Spurchase Matterial. M. (2018). Mapact Software, 1997. 189. March 10.1016/j.jretconser.2017.12.002
- Stern, XP. XC.XI (1999). XInformation, Xincentives, Xand Xproenvironmental Xconsumer behaviour, X. Xconsume, XPolicy X2, Xa61-478, Xdoi: X0.1023/A:1006211709570X
- Sugoto, A.A.S., A.Worang, B.F.M.G., And Saerang, A.M. (2017). "The Analysis of green Amarketing Astrategy Mand Aproduct Mattributes Mon Apurchase Mecision Month green Aproducts," Mn Aproceeding Monthe 1st Mattrian Conference Months Islamic Economics, Business, Mand Mehilanthropy J. ICIEBP, Nol. M., Bandung, M41–145. doi: 20.5220/0007078301410145
- Susanty, A., Akshinta, P.A., Ulkhaq, M.M., And Puspitasari, M. B. (2021). Analysis of the Mendency M Bransition Detween Segments Migreen Consumer Dehaviour with Marcov Achain Mapproach. M. Model. Manag. [Epub Bahead Sof Sprint]. Adoi: 10.1108/JM2-09-2020-0252
- Tagkaloglou, S., and Kasser, T.凤2018).Mncreasing盈ollaborative, pro-environmental activism:恐he蛩oles迩ட聞notivational如nterviewing,遂elf-determined⑳notivation,丞 and逯elf-efficacy.Ø.涇nviron. Psychol.恐8,恐6–92.☑doi:⑳0.1016/j.jenvp.2018.06.☑ 004☑
- Tanner, &C., &And &Wölfing &Kast, &S. & (2003). Promoting &Sustainable &Consumption: determinants & f&green & purchases & by &Swiss & consumers. & Psychol. Mark. 20, &83 – 902. & doi: & 0.1002/mar.10101
- Tenenhaus, M., &Vinzi, &V. &E., &Chatelin, &Y. &M., & and &Lauro, &C. &(2005). &PLS & path & modelling, &Comput. Stat. Data & nal. & 8, & 59–205. & doi: & 0.1016/j.csda.2004.03. & 005 &
- Teo, A. C., Tan, G. W. H., Cheah, C. M., Ooi, K. B., and Yew, K. T. 22012). Can the demographic and subjective Anorms and International Control of Anobian Straight Int. Int. 2006;2012.0497570
- Ting, ØC.ØT., Hsieh, ØC.ØM., Chang, ØH.ØP., Øand Chen, ØH.ØS.Ø(2019). Ænvironmental consciousness and green & ustomer behaviour: the @noderating roles of @ncentive mechanisms. *Sustainability* 01, 0, -16.0
- Trope,函,Zand函Liberman,函N.Z(2003).团emporalZconstrual.認Psychol.認Rev. 110,2403-Z 421.Zdoi:20.0.3390/su11030819因
- Venkatesh, & W., & and Morris, & M. & G. & 2000). & Why&don't&men&ver&stop&o&ask&or& directions? & Gender, & social & fluence, & and & heir& ole&n&echnology& acceptance& and & sage& ehaviour. & Manag. & nf. & sst. & 24, & 15–140. & doi: & 0.2307/3250981 &
- Vermeir, I., And Werbeke, W. A. 2008). Sustainable Mood Consumption Among Byoung Sadults in Belgium: theory of Inned behaviour and the Arole of Confidence And Sadults. Acol. Acol. Meth. 253. Adoi: 20.1016/j.ecolecon.2007.03.007 Sadulta Sadulta
- Vinzi, Zw., Chin, Zw. & W., ZHenseler, Z., Zand Zwang, ZH.Z (2010). ZHandbook Zof Partial Least Squares: Concepts, Methods and Applications. Berlin: Springer Handbooks of Computational Statistics. Z
- Vondracek, F., Merner, R. M., and Schulenberg, J. E. M 1986). Mareer Development: A Lifespan Developmental Approach Hillsdale, NJ: Merlbaum.
- Wang, Z., Dong, X., And Yin, J. A2018). Antecedents Control of Con
- Williams, D. M.,⊠Anderson, E. S., and Winett, R. A.Q2005). A review of the outcome⊠ expectancy⊠construct in\\$hysical activity\\$research.\\$Ann.\\$Behav.\\$Med.\\$29,\\$70–79.\\$ doi:\\$10.1207/s15324796abm2901\_10\\$

- Wong, XX. XX. XX. X2013). Partial Aleast Sequares Structural Application Amodelling (APLS-SEM) Mechniques Mising Smart PLS. Mark. Bull. 24, A-32. A
- Wu, ZS & I., Zand ZChen, Z & Y. Z (2014). A Amodel Zof Zgreen Zconsumption Zbehaviour constructed by the theory of planned behaviour. *Ant. Stud. 26*, 219–132. doi: 20.5539/ijms.v6n5p1192
- Xie, Q., and Zhang, L. F.Ø2015). Demographic factors, personality, and ability as predictors @ Meanning@pproaches. @ Asia Pac. @ Educ. Res. 24, 1669–577. In Proceedings of the Contemporation of t
- Yarimoglu, E., and Gunay, T.@2020). The extended theory of planned behaviour in @rurkish @customers @Intentions @ro@visit @green @hotels. @Bus Strat. @Environ. @29, 1097–1108. @doi:@ 0.1002/bse.2419
- Yazdanpanah, M., and⊠forouzani, M. (2015). Application of the theory of planned⊠ behaviour⊠to⊠predict⊠Iranian⊠students™intention⊠to⊠purchase⊠organic⊠food.⊠ J.@Clean.@Prod.⊠ 07,⊠42–352.⊠doi:⊠ 0.1016/j.jclepro.2015.02.071⊠
- Zabkar, XV., Zand Hosta, XM. X(2012). Willingness to Zact Xand Xenvironmentally conscious & consumer behaviour: can & c

- Zhang, 巫. 2018). Theory 逊 僻 lanned 逸 ehaviour 恐 rigins, 絕 levelopment 極 nd 絕 uture direction. 盈 nt 例 码 Hum. 题 oc. 醫 ci. 盈 nvent. 鄧 戶 6-83. 经 doi: 型 0.1093/heapol/15.3.239 因
- Zhang, XL., XFan, XY., XZhang, XW., Xand XZhang, XS. X(2019). XExtending Atheory Xof X planned Dehaviour Xo Xexplain Athe Heffects Xof Xecognitive X actors Xecross X different X kinds & Myreen Poroducts. Xisstainability X1, X-17. Xdoi: X0.3390/su11154222

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