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APPENDICES

APPENDIX I – QUESTIONNAIRE

Versi Bahasa Indonesia

Perkenalkan nama saya Elycia Tamsil. Saya mahasiswa tingkat akhir dari Universitas Swiss German yang sedang melakukan survey untuk skripsi saya yang bertujuan untuk mengukur "Faktor yang Mempengaruhi Rumah Tangga untuk Mengelola Sampah Menggunakan Jasa Waste4Change". Untuk itu saya mohon bantuan teman-teman sekalian untuk mengisi kuesioner mengenai pengelolaan sampah.

Waste4Change adalah perusahaan pengelolaan sampah yang bertanggung jawab untuk diubah menjadi material daur ulang. Waste4Change memfasilitasi klien dengan pengangkutan sampah terpilah serta laporan mengenai alur sampah. Landasan Waste4Change untuk pengelolaan sampah yang bertanggung jawab adalah kolaborasi dan teknologi yang bertujuan untuk penerapan ekonomi melingkar (circular economy) dan indonesia bebas sampah.

Untuk informasi lebih lanjut, bisa dilihat IG @waste4change.

Atas kesediaan teman-teman saya ucapkan terima kasih.

BAGIAN A – PENYARINGAN RESPONDEN

1. Lokasi tempat tinggal anda?
 - Jakarta
 - Bogor
 - Depok
 - Tangerang
 - Bekasi
2. Apakah kalian pernah mendengar / menggunakan jasa perusahaan Waste4Change?
 - Ya
 - Tidak

BAGIAN B – PROFIL RESPONDEN

3. Jenis kelamin?

- Perempuan
- Laki-laki

4. Umur?

- 17-24
- 25-39
- 40-55
- >55

5. Pendidikan terakhir anda?

- Lebih rendah dari Sekolah Menengah
- Sekolah Menengah Atas (SMA)
- Sarjana (S1)
- Master (S2)
- Lebih tinggi dari Master

BAGIAN C – IMPLEMENTASI VARIABEL

6. Saya memiliki pengetahuan yang baik untuk mengelola sampah saya

- Sangat Tidak Setuju
- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

7. Pengelolaan sampah yang baik adalah cara untuk melestarikan sumber daya alam untuk kebaikan generasi sekarang dan yang akan datang.

- Tidak Setuju
- Netral

- Setuju
- Sangat Setuju

8. Saya memisahkan sampah rumah tangga saya.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

9. Pengelolaan sampah adalah tuntutan moral yang seharusnya dimiliki setiap orang.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

10. Salah satu nilai dari keyakinan yang saya anut adalah menjaga alam dan lingkungan.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

11. Keyakinan yang saya anut MENGAJARI saya untuk berbuat baik, salah satunya dengan mengelola sampah.

- Tidak Setuju
-

- Netral
- Setuju
- Sangat Setuju

12. Keyakinan yang saya anut **MENYARANKAN** saya untuk menjaga kebersihan lingkungan.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

13. Keyakinan yang saya anut **MEWAJIBKAN** saya untuk menjaga alam dan lingkungan.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

14. Saya akan mengelola sampah jika harganya terjangkau.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

15. Saya membandingkan harga dan servis yang diberikan platform jasa pengelolaan sampah swasta dan publik.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

16. Pengelolaan sampah untuk menjaga lingkungan seperti yang dilakukan oleh Waste4Change membutuhkan biaya yang lebih tinggi.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

17. Layanan yang diberikan Waste4Change SESUAI dengan harga yang di tetapkan.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

18. Saya akan mengelola sampah jika keluarga saya melakukan hal yang sama.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

19. Saya akan mengelola sampah jika teman atau rekan kerja saya melakukan hal yang sama.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

20. Saya akan mengelola sampah jika tetangga atau masyarakat sekitar saya melakukan hal yang sama

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

21. Saya akan mengelola sampah saya jika diwajibkan oleh ketua RT / masyarakat sekitar.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

22. Saya mempertimbangkan untuk mengelola sampah dengan baik.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

23. Saya bersedia mengeluarkan biaya yang ditetapkan oleh Waste4Change untuk pengelolaan sampah saya.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

24. Saya bersedia untuk menggunakan jasa Waste4Change dalam waktu dekat.

- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju

25. Saya akan memberikan pendapat positif mengenai Waste4Change kepada orang sekitar saya untuk mengelola sampah mereka.

- Tidak Setuju
- Netral
- Setuju

- Sangat Setuju

SGU

QUESTIONNAIRE

English Version

My name is Elycia Tamsil. I am a final year student from Swiss German University. I am conducting a survey for my thesis which aims to measure "Factors Affecting Households to Manage Waste Using Waste4Change Services". For this reason, I ask for your help to fill out a questionnaire regarding waste management.

Waste4Change is a waste management company that is responsible to manage and recycle waste. Waste4Change facilitates clients with segregated transportation as well as reports on waste flows. Waste4Change's value is to adapt a responsible waste management by collaboration of technology that aim to implement a circular economy in Indonesia.

For more information, see IG @waste4change.

Thank you for your participation

PART A – SCREENING QUESTIONS

1. Where do you live?

- Jakarta
- Bogor
- Depok
- Tangerang
- Bekasi

2. Have you ever heard of/used the services of the Waste4Change company?

- Yes
- No

PART B – DEMOGRAPHIC QUESTIONS

3. Gender

Male

Female

4. Age

- 17-24
- 25-39
- 40-55
- >55

5. Last education?

- Lower than High School
- High School
- Bachelor (S1)
- Master (S2)
- Higher than Master

PART C – VARIABLE IMPLEMENTATION

6. I have waste management knowledge

- Don't agree
- Neutral
- Agree
- Strongly agree

7. By doing waste management, I preserve natural resources for the benefit of present and future generations

- Don't agree
- Neutral
- Agree
- Strongly agree

8. I often separate my household waste.

- Don't agree

- Neutral
- Agree
- Strongly agree

9. Waste management is an ethical behaviour to protect the ecological environment, everyone has a duty to do so

- Don't agree
- Neutral
- Agree
- Strongly agree

10. I believe that preserving the nature and environment is one of the values of my religiosity

- Don't agree
- Neutral
- Agree
- Strongly agree

11. By doing waste management, it is aligned with my religious teachings to do good.

- Don't agree
- Neutral
- Agree
- Strongly agree

12. My religious teachings taught me to care for the environment

- Don't agree
- Neutral
- Agree
- Strongly agree

13. My religious belief expect me to preserve the nature and environment

- Don't agree
-

- Neutral
- Agree
- Strongly agree

14. I think price is important when I manage my waste

- Don't agree
- Neutral
- Agree
- Strongly agree

15. I compare price of other private and public waste management platforms

- Don't agree
- Neutral
- Agree
- Strongly agree

16. I think the price of Waste4Change is reasonable

- Don't agree
- Neutral
- Agree
- Strongly agree

17. If I join Waste4Change service, I feel I would be getting my money's worth

- Don't agree
- Neutral
- Agree
- Strongly agree

18. If my family manage their waste, I would do the same

- Don't agree
- Neutral
- Agree

- Strongly agree

19. If my friends or co-workers manage their waste, I would do the same

- Don't agree
- Neutral
- Agree
- Strongly agree

20. The general public in my society engages in conforming waste disposal

- Don't agree
- Neutral
- Agree
- Strongly agree

21. I would decide to manage my waste because of another people's criticism

- Don't agree
- Neutral
- Agree
- Strongly agree

22. My consideration to do waste management is high

- Don't agree
- Neutral
- Agree
- Strongly agree

23. I am willing to contribute in the costs involved with waste management

- Don't agree
- Neutral
- Agree
- Strongly agree

24. I am willing to contribute in Waste4Change's service in the near future

- Don't agree
- Neutral
- Agree
- Strongly agree

25. I am sure program and company such as Waste4Change will help solve waste issue in Indonesia, therefore I am willing to give my positive opinion to others

- Don't agree
- Neutral
- Agree
- Strongly agree



APPENDIX II – RAW DATA PRE TEST OF RESPONDENTS

W M 1	W M 2	W M 3	W M 4	R 1	R 2	R 3	R 4	P P 1	P P 2	P P 3	P P 4	S N 1	S N 2	S N 3	S N 4	I A 1	I A 2	I A 3	I A 4
5	4	3	4	4	5	5	3	5	2	4	4	5	4	4	5	5	4	5	5
5	5	1	5	5	5	5	5	2	3	3	4	1	1	1	1	1	4	1	3
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APPENDIX III – RAW DATA POST TEST OF RESPONDENTS

W M 1	W M 2	W M 3	W M 4	R 1	R 2	R 3	R 4	P P 1	P P 2	P P 3	P P 4	S N 1	S N 2	S N 3	S N 4	I A 1	I A 2	I A 3	I A 4
5	4	3	4	4	5	5	3	5	2	4	4	5	4	4	5	5	4	5	5
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APPENDIX IV – SPSS OUTPUT RESULT

PRE-TEST VALIDITY TEST

KMO and Bartlett Test

KMO and Bartlett's Test

Kaiser–Meyer–Olkin Measure of Sampling Adequacy.		.579
Bartlett's Test of Sphericity	Approx. Chi-Square	37.318
	df	10
	Sig.	.000

Anti-image Matrices

		TWM	TPP	TSN	TIN	TR4
Anti-image Covariance	TWM	.467	-.017	.159	-.219	-.306
	TPP	-.017	.616	-.233	-.227	-.076
	TSN	.159	-.233	.714	-.137	.014
	TIN	-.219	-.227	-.137	.569	.083
	TR4	-.306	-.076	.014	.083	.594
Anti-image Correlation	TWM	.528 ^a	-.032	.276	-.425	-.581
	TPP	-.032	.660 ^a	-.351	-.384	-.126
	TSN	.276	-.351	.548 ^a	-.215	.022
	TIN	-.425	-.384	-.215	.605 ^a	.143
	TR4	-.581	-.126	.022	.143	.562 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

Communalities

	Initial	Extraction
TWM	1.000	.829
TPP	1.000	.723
TSN	1.000	.729
TIN	1.000	.682
TR4	1.000	.712

Extraction Method: Principal Component Analysis.

PRE-TEST RELIABILITY TEST

Cronbach Alpha WM Awareness

Reliability Statistics

Cronbach's Alpha	N of Items
.464	4

Cronbach Alpha Religiosity

Reliability Statistics

Cronbach's Alpha	N of Items
.835	4

Cronbach Alpha Perceived Price

Reliability Statistics

Cronbach's Alpha	N of Items
.364	4

Cronbach Alpha Social Norm

Reliability Statistics

Cronbach's Alpha	N of Items
.938	4

Cronbach Alpha Intentions to Act

Reliability Statistics

Cronbach's Alpha	N of Items
.780	4



APPENDIX V – SMARTPLS RESULT

CONVERGENT VALIDITY

Post Test I – Outer Loading Value I

	Intentions To Act	Perceived Price	Religiosity	Social Norm	WM Awareness
IA1	0,433				
IA2	0,858				
IA3	0,910				
IA4	0,643				
PP1		0,375			
PP2		0,370			
PP3		0,697			
PP4		0,861			
R1			0,596		
R2			0,962		
R3			0,663		
R4			0,197		
SN1				0,929	
SN2				0,886	
SN3				0,921	
SN4				0,884	
WM1					0,204
WM2					-0,383
WM3					0,915
WM4					0,215

Post Test 2 - Outer Loading Value Re-Run I

	Intentions to Act	Perceived Price	Religiosity	Social Norm	WM Awareness
ia1	0,765				
ia2	0,889				
ia3	0,912				
ia4	0,776				
pp1		0,583			
pp2		0,730			
pp3		0,832			
pp4		0,851			
r1			0,900		
r2			0,908		

r3			0,942	
r4			0,824	
sn1				0,919
sn2				0,905
sn3				0,940
sn4				0,817
wm1				0,899
wm2				0,883
wm3				0,687
wm4				0,859

Post Test 3 - Outer Loading Value Re-Run II

	Intentions to Act	Perceived Price	Religiosity	Social Norm	WM Awareness
ia1	0,765				
ia2	0,889				
ia3	0,912				
ia4	0,776				
pp2		0,744			
pp3		0,831			
pp4		0,893			
r1			0,900		
r2			0,908		
r3			0,942		
r4			0,824		
sn1				0,919	
sn2				0,905	
sn3				0,940	
sn4				0,817	
wm1					0,932
wm2					0,931
wm4					0,858

DISCRIMINANT VALIDITY

Post Test 4 - Average Variance Extracted

Variables	Average Variance Extracted (AVE)
Intentions to Act	0.702
Perceived Price	0.680
Religiosity	0.800
Social Norm	0.804

Waste Management Awareness	0.824
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Post Test 5 - Cross Loading Factor

	Intentions To Act	Perceived Price	Religiosity	Social Norm	Waste Management Awareness
IA1	0,433	0,184	0,087	0,396	0,037
IA2	0,858	0,512	0,253	0,063	0,359
IA3	0,910	0,501	0,169	0,210	0,351
IA4	0,643	0,335	0,170	0,019	0,286
PP1	0,185	0,375	-0,046	0,468	-0,014
PP2	0,034	0,370	-0,030	0,036	0,061
PP3	0,292	0,697	0,060	0,301	0,153
PP4	0,543	0,861	0,283	0,002	0,283
R1	0,006	-0,053	0,596	-0,221	0,106
R2	0,227	0,232	0,962	-0,171	0,336
R3	0,080	0,116	0,663	-0,089	0,145
R4	-0,069	0,078	0,197	-0,153	0,152
SN1	0,219	0,230	-0,110	0,929	-0,176
SN2	0,176	0,289	-0,208	0,886	-0,116
SN3	0,110	0,218	-0,193	0,921	-0,198
SN4	0,162	0,103	-0,018	0,884	-0,187
WM1	0,117	0,069	0,291	0,036	0,204
WM2	-0,159	-0,161	0,149	-0,070	-0,383
WM3	0,329	0,204	0,327	-0,267	0,915
WM4	-0,009	-0,001	0,396	-0,208	0,215

Post Test 6 - Cross Loading Factor Re-Run I

	Intentions to Act	Perceived Price	Religiosity	Social Norm	Waste Management Awareness
ia1	0,765	0,590	0,513	0,495	0,580
ia2	0,889	0,701	0,551	0,252	0,560
ia3	0,912	0,663	0,464	0,342	0,515
ia4	0,776	0,529	0,524	0,227	0,568
pp1	0,402	0,583	0,200	0,499	0,244
pp2	0,431	0,730	0,502	0,230	0,547
pp3	0,570	0,832	0,468	0,404	0,474
pp4	0,753	0,851	0,596	0,236	0,606
r1	0,543	0,518	0,900	0,135	0,803
r2	0,595	0,563	0,908	0,142	0,750
r3	0,590	0,585	0,942	0,223	0,840
r4	0,447	0,509	0,824	0,127	0,740

sn1	0,401	0,391	0,138	0,919	0,178
sn2	0,419	0,500	0,266	0,905	0,301
sn3	0,322	0,385	0,159	0,940	0,212
sn4	0,204	0,137	-0,011	0,817	-0,040
wm1	0,652	0,637	0,774	0,339	0,899
wm2	0,557	0,543	0,811	0,268	0,883
wm3	0,518	0,435	0,557	-0,044	0,687
wm4	0,456	0,483	0,774	0,086	0,859

Post Test 7 - Cross Loading Factor Re Run II Test

	Intentions to Act	Perceived Price	Religiosity	Social Norm	WM Awareness
ia1	0,765	0,566	0,513	0,495	0,588
ia2	0,889	0,693	0,551	0,252	0,496
ia3	0,912	0,655	0,464	0,342	0,464
ia4	0,776	0,537	0,524	0,227	0,536
pp2	0,431	0,744	0,502	0,230	0,540
pp3	0,570	0,831	0,468	0,404	0,465
pp4	0,753	0,893	0,596	0,236	0,568
r1	0,542	0,537	0,900	0,135	0,801
r2	0,595	0,572	0,908	0,142	0,725
r3	0,590	0,610	0,942	0,223	0,841
r4	0,447	0,558	0,824	0,127	0,722
sn1	0,401	0,299	0,138	0,919	0,237
sn2	0,419	0,450	0,266	0,905	0,344
sn3	0,322	0,311	0,159	0,940	0,266
sn4	0,204	0,062	-0,011	0,817	0,015
wm1	0,652	0,646	0,774	0,339	0,932
wm2	0,557	0,542	0,811	0,268	0,931
wm4	0,456	0,515	0,774	0,086	0,858

Post Test 8 - Composite Reliability and Cronbach Alpha Test

Variables	Cronbach's Alpha	Rho_A	Composite Reliability	Result
Intentions to Act	0,856	0,860	0,904	Reliable
Perceived Price	0,769	0,828	0,864	Reliable
Religiosity	0,916	0,928	0,941	Reliable
Social Norm	0,920	0,962	0,942	Reliable
WM Awareness	0,894	0,922	0,933	Reliable

Post Test 9 - R-Square – Coefficient Determination Result

	R-Square	R-Square Adjusted
Intentions to Act (IA)	0,606	0,593

Post Test 10 - Hypothesis Result

	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics (O/STDEV)	P Values
Perceived Price -> Intentions to Act	0,500	0,501	0,077	6,465	0,000
Religiosity -> Intentions to Act	0,155	0,159	0,117	1,322	0,187
Social Norm -> Intentions to Act	0,161	0,164	0,068	2,351	0,019
Waste Management Awareness -> Intentions to Act	0,129	0,120	0,129	1,004	0,316

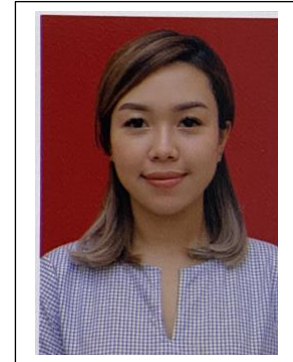
CURRICULUM VITAE

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Education

09/2017 – 09/2021 - Undergraduate Double Degree Program at Swiss German University, Faculty of Business and Communication, Department of Business Administration

01/2016 – 12/2016 – Diploma in Hospitality Management – SHATEC, Singapore

08/2014 – 08/2015 – Advanced Certificate in F&B Supervision – SHATEC, Singapore

06/2012 – 06/2014 – High School – JUBILEE SCHOOL, Jakarta, Indonesia

Organizational Experience

President of International Business Administration Entrepreneurship Festival, 2019

President of Student Body Association, 2018

Internship Experience

12/2020 – 06/2021 – Maxbuzz Digital Marketing – Jakarta, Indonesia

03/2020 – 07/2020 – SAFFRON Company - Hamburg, Germany

10/2018 – 01/2019 – DBS Bank Indonesia – Jakarta, Indonesia

02/2015 – 09/2019 – Mandarin Orchard Hotel – Singapore

Knowledge and Skills

English language: Fluent in written and spoken

Germany language: A2

Microsoft Office and Google Suites

Adobe Illustrator

Adobe Photoshop

