

LAMPIRAN

Lampiran 1 SK Pembimbing



UNIVERSITAS SALI AL-AITAAM

Surat Keputusan Nomor : 541/E/O/2021 Tanggal 7 Desember 2021

Program Studi :

Akuntansi Perpajakan Program Sarjana Terapan - Akuntansi Lembaga Keuangan Syariah Program Sarjana Terapan - Bisnis Digital Program Sarjana Terapan - Kebidanan Program Diploma Tiga Menuju Kebidanan Program Sarjana - Hukum Program Sarjana Ilmu Komunikasi Program Sarjana - Perencanaan Wilayah dan Kota Program Sarjana - Agroteknologi Program Sarjana Manajemen Program Sarjana - Pendidikan Biologi Program Sarjana - Teknik Industri Program Sarjana Kewirausahaan Program Sarjana - Pendidikan Kepelatihan Olahraga Program Sarjana

Jl. Aceng Sali Al-Aitaam No.1 Cigantri Telp. 022-8750 4223 Bojongsoang Kabupaten Bandung

SURAT KEPUTUSAN

Nomor : 514/SK-REKTOR/UNISAL/YAAS/V/2026

Tentang

**PENGANGKATAN DOSEN PEMBIMBING SKRIPSI
UNTUK PROGRAM STUDI TEKNIK INDUSTRI – S1
FAKULTAS TEKNIK TAHUN AKADEMIK 2025/2026**

REKTOR UNIVERSITAS SALI AL-AITAAM

- Menimbang** :
1. Bahwa untuk membantu penyelesaian Skripsi Mahasiswa pada Program Studi Teknik Industri – S1 Universitas Sali Al-Aitaam, dirasa perlu menetapkan dan menunjuk Dosen Pembimbing;
 2. Bahwa mereka yang namanya tercantum dalam lampiran surat keputusan ini, dipandang telah memenuhi syarat dan mampu untuk melaksanakan tugas sebagai Dosen Pembimbing Skripsi pada Program Studi Teknik Industri – S1 Fakultas Teknik Universitas Sali Al-Aitaam.
 3. Bahwa untuk keperluan administrasi, perlu diterbitkan Surat Keputusan Rektor mengenai Pengangkatan Dosen Pembimbing Mahasiswa Skripsi untuk Program Studi Teknik Industri – S1 Fakultas Teknik Tahun Akademik 2025/2026.
- Mengingat** :
1. Peraturan Pemerintah No. 19 Tahun 2005 tentang Standar Pendidikan Nasional.
 2. Undang-undang No. 12 Tahun 2012 tentang Sistem Pendidikan Tinggi.
 3. Anggaran Dasar Yayasan Agung Al-Sali seperti tercantum dalam Akta Pendirian Yayasan Agung Al-Sali Notaris Tati Muktiati Hidayat, SH. No. 529 tanggal 19 Nopember 2015 dan Akta Perubahan Yayasan Agung Al-Sali Notaris Arga Pramudita Hidayat, SH., M.Kn Nomor 21 tanggal 28 Agustus 2018.
 4. Keputusan Menkumham RI Nomor AHU-0017840.AH.01.12.Tahun 2018 Tentang Pengesahan Yayasan Agung Al-Sali Jakarta, Tanggal 03 Oktober 2018.
 5. Surat Keputusan Menteri Pendidikan dan Kebudayaan RI Nomor : 541/E/O/2021 tanggal 7 Desember 2021.
 6. SK Pengangkatan Rektor Universitas Sali Al-Aitaam Periode 2021-2026 Nomor 085/SK-STRUKTURAL/YAAS/PENGURUS/XII/2021 tanggal 21 Desember 2021.
 7. Statuta Universitas Sali Al-Aitaam.
- Memperhatikan** :
1. Surat Permohonan dari Fakultas Teknik Nomor 15.028/FT/UNISAL/V/2026 tanggal 05 Mei 2026, perihal Pengantar Surat Tugas Pembimbing Skripsi dan Persetujuan Rektor Universitas Sali Al-Aitaam tanggal 08 Mei 2026.

MEMUTUSKAN

- Menetapkan**
- Pertama** :
1. Mengangkat nama-nama yang tercantum dalam lampiran surat keputusan ini sebagai Dosen Pembimbing Skripsi Program Studi Teknik Industri – S1 Fakultas Teknik untuk periode Tahun Akademik 2025/2026.
- Kedua** :
- a. Memberikan arahan dan/atau masukan dalam pelaksanaan penyusunan dan penyelesaian Skripsi;
 - b. Membimbing Mahasiswa dalam penulisan laporan Skripsi;
 - c. Melaporkan perkembangan kegiatan mahasiswa bimbingan kepada Fakultas dan Prodi.
- Ketiga** :
1. Surat Keputusan ini berlaku sejak tanggal ditetapkan dan jika terdapat kekurangan dan/atau kesalahan dalam surat keputusan ini akan diperbaiki sebagaimana mestinya.

Ditetapkan di : Bandung
Tanggal : 09 Mei 2026
Rektor Universitas Sali Al-Aitaam,

Purnama Nurjannati Iskandar, S.E., M.Ak.

Tembusan :

1. Yth. Ketua Pembina YAAS
2. Yth. Ketua Pengawas YAAS
3. Yth. Ketua Program YAAS
4. Yang Berwenang
5. Bertinggal

Lampiran SK Rektor

Nomor : 514/SK-REKTOR/UNISAL/YAAS/V/2026

Perihal : Pengangkatan Dosen Pembimbing Skripsi Untuk Program Studi Teknik Industri -
S1 Fakultas Teknik Tahun Akademik 2025/2026

**DAFTAR NAMA DOSEN PEMBIMBING SKRIPSI UNTUK
PROGRAM STUDI TEKNIK INDUSTRI – S1
FAKULTAS TEKNIK TAHUN AKADEMIK 2025/2026**

NO	NAMA DOSEN PEMBIMBING / NIDN	NIM	NAMA MAHASISWA
1	BY. Rahadi Meta Tri Sulaksana, S.T., M.T. NIDN : 0418067904	2226201008	Kayla Ilma Ikhtizar
		2226201022	Siti Nurparida
		2226201046	Lilis Lisdianti
		2226201061	Lulu Atuzzahiroh
		2226201066	Nicken Agistin
		2226201074	Dhea Desnawati
		2226201076	Khofifatun Amanah
		2226201084	Merliana Rahman
2	Ir. Miftahu Babil Yasari, M.T. NIDN : 0404046601	2226201005	Iqbal Hidayat
		2226201010	Susanti
		2226201014	Diki Setiawan
		2226201026	Syahdan Syaban P
		2226201029	Ade Reza Aprilliani
		2226201055	Ardi Herdiana
		2226201058	Ranti Wildi Fauziah
		2226201079	Silviana Zuniyas Stiawati
3	Ismail Atmawinata, S.SiT., M.T. NIDN : 0418028003	2226201050	Rangga Cipta Prayoga
		2226201053	Adi Kurniawan Paujan
		2226201065	Fahmi Fauzan Adhiman
		2226201072	Ahmad Kamali
		2226201082	Muhammad Jamil Alfarisi
4	Jatmiko Agung Nugroho, S.T., M.T. NIDN : 0416029203	2226201085	Ligar Kinanti
		2226201011	Aditya Herlambang Jeksono
		2226201019	Muhamad Arik Rahman
		2226201020	Rizan Al Rasyid
		2226201030	Moch Iqbal Rizky
		2226201080	Agnia Nurhidayani
		2226201063	Ari Sombo
		2226201089	Wafa Ul Umam

Ditetapkan di : Bandung
Tanggal : 09 Mei 2026
Rektor Universitas Sali Al-Aitaam,

Fatmahan Nurjannati Iskandar, S.E., M.Ak.

Lampiran 2 Surat Keterangan Izin Peneliti



UNIVERSITAS SALI AL-AITAAM
FAKULTAS TEKNIK
PROGRAM STUDI TEKNIK INDUSTRI PROGRAM SARJANA
 Jl. Aceng Sali Al-Aitaam No. 1 Ciganitri, Bojongsoang, Kabupaten Bandung
 Telp. 022 - 8750 0756

No : 018/SP/II/III/2026
 Perihal : Permohonan Penelitian Tugas Akhir
 Lampiran : -

Bandung, 2 Maret 2026

Kepada Yth :
 Bapak/Ibu Pimpinan Instansi/Perusahaan
PT. MAHKOTA HIDUP SENTOSA
 Jl. Raya Banjarsari, RT.02/RW.02, Sukasari, Kacamatan Banjarsari,
 Kabupaten Ciamis, Jawa Barat 46383

Dengan hormat,

Teriring salam serta do'a semoga Bapak/Ibu senantiasa ada dalam lindungan Allah SWT dan sukses dalam menjalankan aktifitas sehari-hari.

Dalam rangka penyusunan Tugas Akhir untuk memenuhi salah satu persyaratan akademik pada Prodi Teknik Industri Universitas Sali Al-Aitaam, bersama ini kami mengajukan permohonan penelitian Tugas Akhir pada instansi / perusahaan yang Bapak / Ibu pimpin untuk mahasiswa kami sbb:

No.	NIM	Nama Mahasiswa	No. Telpn
1.	2226201072	AHMAD KAMALI	087811343759
2.	2226201065	FAHMI FAUZAN ADHIMAN	085771691800

Adapun pelaksanaan penelitian Tugas Akhir selama 1 (satu) bulan, besar harapan kami, Bapak / Ibu dapat mengabulkannya.

Demikian surat ini kami sampaikan. Atas perhatian dan kesempatan yang diberikan, kami sampaikan terima kasih.

Hormat kami,
 Ketua Program Studi Teknik Industri

BY. Rahadi Meta Tri Sulaksana, S.T., M.T.
 NIDN : 0418067904

Tembusan:

1. Dekan Fakultas Teknik Universitas Sali-Al-Aitaam
2. Mahasiswa Ybs.
3. Arsip

Lampiran 3 Tempat Penelitian

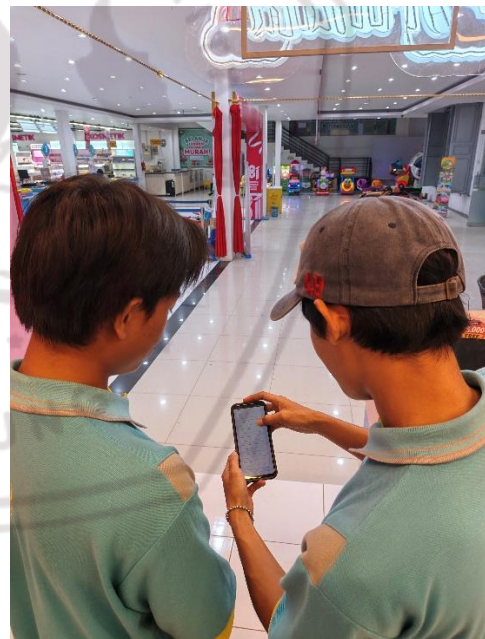


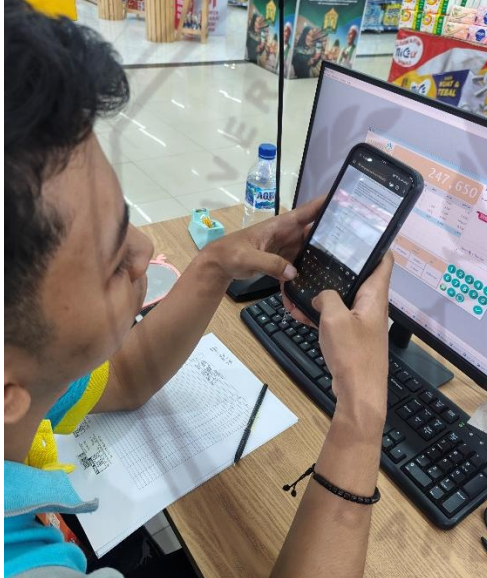
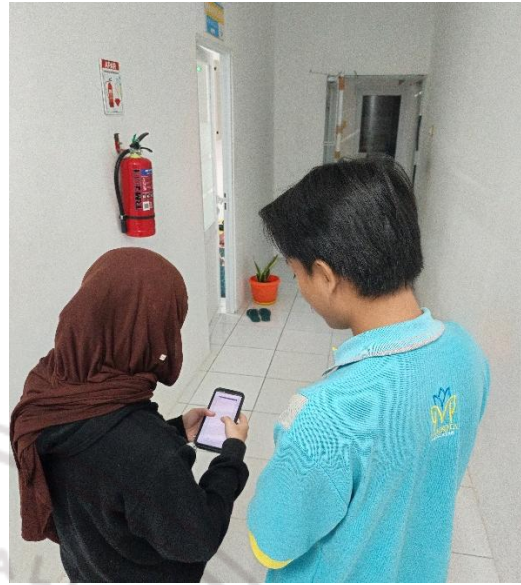
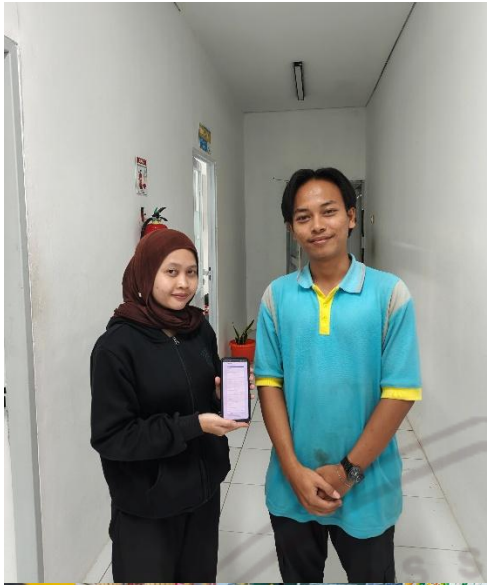
Lampiran 4 Kegiatan Penyebaran Kuesioner Kepuasan Pelanggan





Lampiran 5 Kegiatan Penyebaran Kuesioner Karyawan





Lampiran 6 Observasi dan Wawancara Dengan Staf Perusahaan



Wawancara Dengan Kepala IT



Wawancara Dengan Admin
Inventory



Wawancara Dengan Operator Barcode



Wawancara Dengan Kasir



Observasi Hambatan yang terjadi selama penggunaan barcode system



Observasi Kecepatan dan Kelancaran Transaksi Selama Penggunaan *Barcode System*.



Pengecekan Stok Barang Selisih

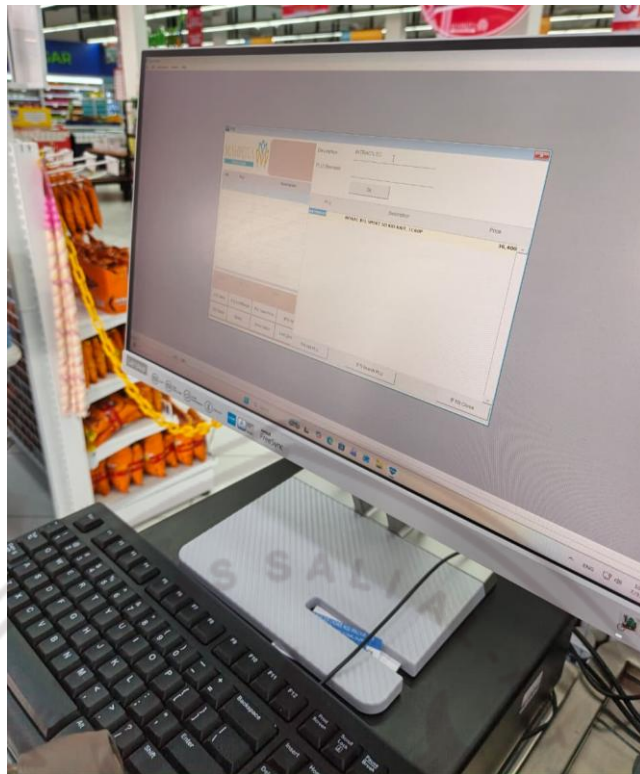


Observasi Kondisi *Barcode*

Lampiran 7 Hasil Pengujian Scanning Barcode Lama dan Barcode Usulan



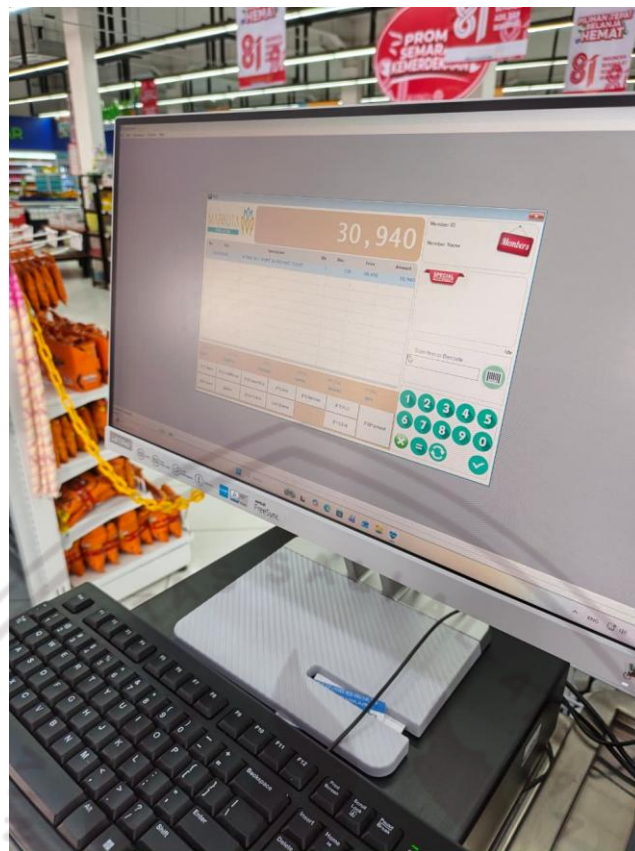
Barcode Tidak Terbaca (*Barcode* lama)



Harus Input Manual (*Barcode lama*)



Barcode Mudah Terbaca (Barcode usulan)



Barcode Langsung Terinput (Barcode usulan)

Lampiran 8 Data Produk Tidak Memiliki Barcode

NOMOR	PLU_EXTERNAL	ARTICLE	MERCHANT STRUCODE	VENDOR NAME	ON HAND	AVG_COST	RETAIL PRICE	STATUS_DESC
1	0000000	INTRAC ALAT PEL LIPAT PENGERING 1C40P	STIK KA	INTRAC	3	16500	23100	Active
2	0000000	INTRAC ALAT PERAS BUAH MANUAL 1C54P	OTHERS	INTRAC	4	12000	16800	Active
3	0000000	INTRAC BASKOM LIPAT TALENAN 1C40P	BASKOM	INTRAC	3	17500	24500	Active
4	0000000	INTRAC BOTOL BUMBU PRESS 1C120P	KITCHE	INTRAC	10	4250	5950	Active
5	0000000	INTRAC BOX BERAS SLIDING S 1C38P	RICE BO	INTRAC	3	35000	49000	Active
6	0000000	INTRAC BTL AMAZING RABBIT 1C80P	BOTOL	INTRAC	7	16000	22400	Active
7	0000000	INTRAC BTL ANAK DONAT 1C60P	BOTOL	INTRAC	4	30000	42000	Active
8	0000000	INTRAC BTL BA ANIMAL KUPING 1C120P	BOTOL	INTRAC	9	14000	19800	Active
9	0000000	INTRAC BTL BA CAPY BARA 1C100P	BOTOL	INTRAC	1	15500	21700	Active
10	0000000	INTRAC BTL BLJ INFUSED TALI 1C80P	BOTOL	INTRAC	1	19500	27300	Active
11	0000000	INTRAC BTL KACA 6 (NB) 1C80P	BOTOL	INTRAC	13	4000	5600	Active
12	0000000	INTRAC BTL KACA BABY DINO 1C80P	BOTOL	INTRAC	2	9000	12800	Active
13	0000000	INTRAC BTL KACA CROWN BEAR 1C80P	BOTOL	INTRAC	2	7500	10500	Active
14	0000000	INTRAC BTL KACA DEER 1C80P	BOTOL	INTRAC	4	7500	10500	Active
15	0000000	INTRAC BTL KACA DIAMOND 1C100P	BOTOL	INTRAC	9	4750	6650	Active
16	0000000	INTRAC BTL KACA ENJOY LIFE 1C100P	BOTOL	INTRAC	5	7500	10500	Active
17	0000000	INTRAC BTL KACA FLOWER W/ STRAW 1C68P	BOTOL	INTRAC	1	9500	13300	Active
18	0000000	INTRAC BTL KACA HLF 1C80P	BOTOL	INTRAC	6	8500	11900	Active
19	0000000	INTRAC BTL KACA HOHO 1C70P	BOTOL	INTRAC	2	6000	8400	Active
20	0000000	INTRAC BTL KACA KAKTUS (NB) 1C80P	BOTOL	INTRAC	11	4000	5600	Active
21	0000000	INTRAC BTL KACA LIFE (NB) 1C80P	BOTOL	INTRAC	15	4000	5600	Active
22	0000000	INTRAC BTL KACA MINI PINGUIN 1C80P	BOTOL	INTRAC	5	7000	9800	Active
23	0000000	INTRAC BTL KACA PET BEAR 1C80P	BOTOL	INTRAC	5	8500	11900	Active
24	0000000	INTRAC BTL KACA RABBIT 1C100P	BOTOL	INTRAC	9	6500	9100	Active
25	0000000	INTRAC BTL KACA SUNFLOWERS TALI 1C100P	BOTOL	INTRAC	5	6500	9100	Active
26	0000000	INTRAC BTL MUG STRAW ANIMAL 1C50P	BOTOL	INTRAC	4	10000	14000	Active
27	0000000	INTRAC BTL RAINBOW GIRL KAIT 1C90P	BOTOL	INTRAC	6	20000	28000	Active
28	0000000	INTRAC BTL SPACE FLIP 700ML 1C100P	BOTOL	INTRAC	3	16000	22400	Active
29	0000000	INTRAC BTL SPORT BAYO 600ML 1C80P	BOTOL	INTRAC	4	14000	19800	Active
30	0000000	INTRAC BTL SPORT GAGANG 780ML 1C80P	BOTOL	INTRAC	4	19500	27300	Active
31	0000000	INTRAC BTL SPORT SO KID KAIT 1C80P	BOTOL	INTRAC	4	26000	36400	Active
32	0000000	INTRAC BTL SPORT WF HANDLE 700ML 1C80P	BOTOL	INTRAC	4	14000	19800	Active
33	0000000	INTRAC BTL SPORT WF KEEN 640ML 1C80P	BOTOL	INTRAC	6	14000	19800	Active
34	0000000	INTRAC BTL SPORT WF YOYO 1C80P	BOTOL	INTRAC	6	14500	20300	Active
35	0000000	INTRAC BTL STRAW INFUSED JINJING 1C80P	BOTOL	INTRAC	2	13500	18900	Active
36	0000000	INTRAC BTL TRANSPARANT 750ML 1C100P	BOTOL	INTRAC	4	11000	15400	Active
37	0000000	INTRAC BTL UNICORN FLIP 1C100P	BOTOL	INTRAC	5	16500	23100	Active
38	0000000	INTRAC BTL WF BIT 650ML 1C80P	BOTOL	INTRAC	5	16500	23100	Active
39	0000000	INTRAC CERMIN PORTABLE 1C288P	WALL C	INTRAC	16	5500	7500	Active
40	0000000	INTRAC CETAKAN ES BULAT 33 1C200P	OTHER	INTRAC	13	4000	5600	Active
41	0000000	INTRAC EMBER LIPAT SIL 5L 1C45P	EMBER	INTRAC	4	21000	29400	Active
42	0000000	INTRAC GANTUNGAN TEMPEL 6 KAIT 1C240P	HOOK,	INTRAC	24	3750	5250	Active
43	0000000	INTRAC GELAS KACA BEAR 1C80P	OTHER	INTRAC	5	7000	9800	Active
44	0000000	INTRAC GELAS KACA COFFEE 2IN1 1C80P	OTHER	INTRAC	4	11500	16100	Active
45	0000000	INTRAC GELAS KACA CROWN 1C80P	OTHER	INTRAC	6	8000	11200	Active
46	0000000	INTRAC GELAS KACA GLITTER UNICORN 1C80P	OTHER	INTRAC	3	13000	18200	Active
47	0000000	INTRAC JAM BEKER MEJA 1C100P	WATCH	INTRAC	9	19000	26800	Active
48	0000000	INTRAC JAS HUJAN ANAK POCKET ANIMAL 1C80P	ANAK	INTRAC	3	4200	5900	Active
49	0000000	INTRAC JAS HUJAN EVA 1C300P	SETELA	INTRAC	18	6500	10000	Active
50	0000000	INTRAC KIPAS BASMI LALAT 1C80P	OTHER	INTRAC	6	31000	43400	Active
51	0000000	INTRAC LB 2SSN SUNNY ANIMAL SEKAT 1C80P	LUNCH	INTRAC	4	18000	25200	Active
52	0000000	INTRAC LB 5 SEKAT 1400ML 1C32P	LUNCH	INTRAC	3	28000	39200	Active

53	0000000	INTRAC LB ANIMAL 4IN1 1C90P	LUNCH	INTRAC	8	18000	25200	Active
54	0000000	INTRAC LB BENTO 2SSN 3SKT 1C72P	LUNCH	INTRAC	6	22000	30800	Active
55	0000000	INTRAC LB BENTO 5S 1000ML 1C48P	LUNCH	INTRAC	4	20000	28000	Active
56	0000000	INTRAC LB BULAT CAPY BARA 1C90P	LUNCH	INTRAC	8	15500	21700	Active
57	0000000	INTRAC LB CAM YAKADA KOTAK 1000ML 1C48P	LUNCH	INTRAC	4	29000	40800	Active
58	0000000	INTRAC LB CAM YAKADA PERSEGI 1100ML 1C48P	LUNCH	INTRAC	4	30500	42700	Active
59	0000000	INTRAC LB CAPY SET 1C48P	LUNCH	INTRAC	3	31000	43400	Active
60	0000000	INTRAC LB COLOUR KLIP 3S 1300ML 1C48P	LUNCH	INTRAC	3	29000	40800	Active
61	0000000	INTRAC LB CUP SET KOPER 1C84P	LUNCH	INTRAC	6	19000	26600	Active
62	0000000	INTRAC LB GOURMET KOTAK 1C48P	LUNCH	INTRAC	3	22000	30800	Active
63	0000000	INTRAC LB GOURMET PERSEGI 2S 1C48P	LUNCH	INTRAC	2	19500	27300	Active
64	0000000	INTRAC LB KARTUN BOY GIRL 2 SEKAT 1C120P	LUNCH	INTRAC	10	13500	18900	Active
65	0000000	INTRAC LB KLIP CARTOON 2S 1C72P	LUNCH	INTRAC	6	15500	21700	Active
66	0000000	INTRAC LB KLIP MERMAID 5S 1C72P	LUNCH	INTRAC	7	23000	32200	Active
67	0000000	INTRAC LB KLIP PERSEGI SUNNY ANIMAL 1C48P	LUNCH	INTRAC	2	14500	20300	Active
68	0000000	INTRAC LB KOTAK BEAUTIFUL 3S 1C72P	LUNCH	INTRAC	4	21500	30100	Active
69	0000000	INTRAC LB KOTAK KLIP 3S 800ML 1C70P	LUNCH	INTRAC	7	23000	32200	Active
70	0000000	INTRAC LB KOTAK LUCKY BEAR 2S 1C80P	LUNCH	INTRAC	7	14000	19800	Active
71	0000000	INTRAC LB LOVELY 2S 880ML 1C72P	LUNCH	INTRAC	5	15000	21000	Active
72	0000000	INTRAC LB NAUGHTY BEAR 3S 1C80P	LUNCH	INTRAC	7	16500	23100	Active
73	0000000	INTRAC LB RABBIT 2 SEKAT 1C80P	LUNCH	INTRAC	4	16500	23100	Active
74	0000000	INTRAC LB SET BTL TUTU ASTRONAUT 1C84P	LUNCH	INTRAC	4	27000	37800	Active
75	0000000	INTRAC LB SET BTL TUTU BULAT 1C84P	LUNCH	INTRAC	5	27000	37800	Active
76	0000000	INTRAC MANGKOK MIE 3IN1 1C80P	LUNCH	INTRAC	6	23000	32200	Active
77	0000000	INTRAC MINI CHOPPER ELEKTRIK 1C80P	CUTLER	INTRAC	4	27000	37800	Active
78	0000000	INTRAC PAYUNG 3D 1C100P	PANJAN	INTRAC	8	16500	23100	Active
79	0000000	INTRAC PAYUNG ANAK CAPY BARA 1C120P	PANJAN	INTRAC	8	16000	22400	Active
80	0000000	INTRAC PAYUNG LIPAT BEAR 1C100P	LIPAT T	INTRAC	4	17500	24500	Active
81	0000000	INTRAC PAYUNG LIPAT SILVER WARNA 1C100P	LIPAT T	INTRAC	6	13500	18900	Active
82	0000000	INTRAC PAYUNG WARNA KOREA 1C100P	PANJAN	INTRAC	2	11000	15400	Active
83	0000000	INTRAC PENGASAH PISAU 3 SLOT + DUS 1C100P	CUTLER	INTRAC	13	8750	10000	Active
84	0000000	INTRAC PIRING SENAM TWISTING WAIST 1C48P	FANCY	INTRAC	3	16000	22400	Active
85	0000000	INTRAC PULPEN KIPAS KARAKTER 1C192P	BALLPO	INTRAC	18	14000	19800	Active
86	0000000	INTRAC RAK KOSMETIK PUTAR 1C24P	RAK PIR	INTRAC	2	49000	68600	Active
87	0000000	INTRAC RAK RODA 3SSN DUCK 1C4P	RAK SE	INTRAC	7	130000	182000	Active
88	0000000	INTRAC RING LIGHT 33CM + TRIPOD 2.1M 1C48P	OTHERS	INTRAC	4	58000	81200	Active
89	0000000	INTRAC SIKAT DISPENSER KAIT 1C200P	BAJU	INTRAC	9	12000	16800	Active
90	0000000	INTRAC SIKAT MANDI 2IN1 1C250P	PERL M	INTRAC	16	4000	5600	Active
91	0000000	INTRAC SIKAT MANDI DISPENSER 1C200P	BATHRO	INTRAC	16	5000	7000	Active
92	0000000	INTRAC SIKAT SAPU 2IN1 1C100P	PLASTIK	INTRAC	9	10000	14000	Active
93	0000000	INTRAC SIKAT SAPU 3IN1 1C100P	PLASTIK	INTRAC	9	12500	17500	Active
94	0000000	INTRAC SPRAY PEMBERSIH KACA 3IN1 1C100P	HAND T	INTRAC	9	22000	30800	Active
95	0000000	INTRAC TAPLAK KULKAS 1C200P	OTHER	INTRAC	17	5500	7700	Active
96	0000000	INTRAC TEMPAT BUMBU 3IN1 1C90P	KITCHE	INTRAC	7	16500	23100	Active
97	0000000	INTRAC TERMOS BINTANG 1C50P	VACUUM	INTRAC	2	31000	43400	Active
98	0000000	INTRAC TERMOS CUP TRAVEL 1C50P	VACUUM	INTRAC	4	30000	42000	Active
99	0000000	INTRAC TERMOS HANDLE TRAVEL 500ML 1C48P	VACUUM	INTRAC	3	24500	34300	Active
100	0000000	INTRAC TERMOS KANCING BEAR 1C50P	VACUUM	INTRAC	3	21000	29400	Active
101	0000000	INTRAC TRAY VACUUM MAKANAN 1C100P	OTHER	INTRAC	9	7500	10500	Active
102	0000000	INTRAC TRIPOD 3110 1C40P	OTHERS	INTRAC	4	24500	34300	Active
103	0000000	INTRAC TROLLY BAG LIPAT 1C50P	OTHER	INTRAC	5	18000	25200	Active
104	0000000	INTRAC TUMBLER KACA INFUSED W/ HANDLE	BOTOL	INTRAC	5	15500	21700	Active

NOMOR	PLU_EXTERNAL	ARTICLE	MERCHSTRU_DESC	VENDOR_NAME	ON_HAN_D_T	RETAIL_P_RICE	STATUS_DESC
1	0000000343559	TISHIINDO BOTTLE NS370,FLINT,IN TRAY+SHRINKWRAPPED 4PC 3701ML_1C12P	OTHER DRINK WARE	PT. SINAR	24	30500	Active
2	0000000343560	TISHIINDO DINNERPLATE OPAL 9,5" WHITE LHP_1C12P	DINNER PLATE	PT. SINAR	71	13550	Active
3	0000000343561	TISHIINDO DRINK JAR MJ12-4,7_1C12P	PITCHER	PT. SINAR	40	24900	Active
4	0000000343562	TISHIINDO GELAS B1-11BBF ROCK BAR_1C12P	OTHER DRINK WARE	PT. SINAR	93	5150	Active
5	0000000343563	TISHIINDO GELAS BW 39 OHANA_1C12P	OTHER DRINK WARE	PT. SINAR	56	6250	Active
6	0000000343566	TISHIINDO GELAS DRIN JAR IMPORT BS-450 TUTUP MERAH_1C12P	MUG	PT. SINAR	75	7000	Active
7	0000000343567	TISHIINDO GELAS DRINK JAR TANPA TUTUP_1C12P	MUG	PT. SINAR	98	9350	Active
8	0000000343568	TISHIINDO GELAS FRESNO PJ-27_1C12P	OTHER DRINK WARE	PT. SINAR	116	4550	Active
9	0000000343570	TISHIINDO GELAS MM12-9_1C12P	OTHER DRINK WARE	PT. SINAR	18	3600	Active
10	0000000343572	TISHIINDO GELAS MPTC9_1C12P	OTHER DRINK WARE	PT. SINAR	52	3600	Active
11	0000000343574	TISHIINDO GELAS P6-9DF_1C12P	OTHER DRINK WARE	PT. SINAR	49	2500	Active
12	0000000343575	TISHIINDO GLASS BOWL 7" 0723F_1C12P	OTHER DRINK WARE	PT. SINAR	64	6550	Active
13	0000000343576	TISHIINDO GLASS DRINK SET WITH LID AND STRAW MASON JAR RED, YELLOW, BLUE_1C12P	MUG	PT. SINAR	67	7500	Active
14	0000000343577	TISHIINDO MANGKOK MBSC7_1C12P	BOWL	PT. SINAR	31	7000	Active
15	0000000343578	TISHIINDO MJ 15-12 TUTUP SILVER_1C12P	MUG	PT. SINAR	98	10750	Active
16	0000000343581	TISHIINDO PORCELAIN BAKING TRAY_1C12P	OTHER TABLE WARE	PT. SINAR	24	43550	Active
17	0000000343582	TISHIINDO PORCELAIN BOWL CEB-DB 6" (15 CM_1C12P	BOWL	PT. SINAR	22	24750	Active
18	0000000343583	TISHIINDO PORCELAIN BOWL PSB-DB 9,5" _1C12P	BOWL	PT. SINAR	16	33150	Active
19	0000000343584	TISHIINDO PORCELAIN BOWL RB-12 IN 4,5_1C12P	BOWL	PT. SINAR	63	11700	Active
20	0000000343585	TISHIINDO PORCELAIN CASSEROLE 10 CM + LID_1C12P	OTHER TABLE WARE	PT. SINAR	22	35750	Active
21	0000000343586	TISHIINDO PORCELAIN CASSEROLE 12 CM + LID_1C12P	OTHER TABLE WARE	PT. SINAR	22	51300	Active
22	0000000343588	TISHIINDO PORCELAIN SAUCER SCR-A_1C12P	OTHER TABLE WARE	PT. SINAR	66	6550	Active
23	0000000343589	TISHIINDO SKEWER SET 331004_1C12P	BBQ TOOLS	PT. SINAR	10	30950	Active
24	0000000343590	TISHIINDO SOUPPLATE OPAL 8,5" WHITE,LHP85/6_1C12P	SALAD PLATE	PT. SINAR	65	12450	Active
25	0000000343591	TISHIINDO TOPLES KYOTO POLOS_1C12P	OTHER TABLE WARE	PT. SINAR	72	19450	Active
26	0000000343592	TISHIINDO TOPLES TPE 150_1C12P	OTHER TABLE WARE	PT. SINAR	72	22550	Active

Lampiran 9 Data Produk Selisih

NOMOR	PLU_EXTERNAL	ARTICLE	MERCHSTRU_D_ESC	VENDOR_NAME	ON_HAN_D_T	RETAIL_P_RICE	STATUS_DESC
1	0000000343327	DINASTY, SW8, KL PIRING 10,5" CEPER LIST EMAS (FP 0105-1-LS)_1C36P	DINNER	PT. MUTIA	31	16000	Active
2	0000000343328	DINASTY, SW8, KL PIRING 10,5" CEPER MAHKOTA (FP 0105-1-MH)_1C36P	DINNER	PT. MUTIA	34	16000	Active
3	0000000343329	DINASTY, SW8, KL PIRING 8" BUNGA KUPU BLUE NO LINE (SP 080-1NL-BKB)_1C72P	DINNER	PT. MUTIA	57	6950	Active
4	0000000343330	DINASTY, SW8, KL PIRING 8" BUNGA KUPU GREEN NO LINE (SP 080-1NL-BKH)_1C72P	DINNER	PT. MUTIA	45	6950	Active
5	0000000343331	DINASTY, SW8, KL PIRING 8" BUNGA KUPU PURPLE NO LINE (SP 080-1NL-BKU)_1C72P	DINNER	PT. MUTIA	65	6950	Active
6	0000000343332	DINASTY, SW8, KL PIRING 8" BUNGA KUPU RED NO LINE (SP 080-1NL-BKM)_1C72P	DINNER	PT. MUTIA	71	6950	Active
7	0000000343333	DINASTY, SW8, KL PIRING 8" GOLDEN CROWN (SP 080-1-GC)_1C72P	DINNER	PT. MUTIA	-6	6950	Active
8	0000000343334	DINASTY, SW8, KL PIRING 8" KEMBANG TIGA (SP 080-1-KT)_1C72P	DINNER	PT. MUTIA	66	6400	Active
9	0000000343335	DINASTY, SW8, KL PIRING 8" LIST EMAS (SP 080-1-LS)_1C72P	DINNER	PT. MUTIA	25	6950	Active
10	0000000343336	DINASTY, SW8, KL PIRING 8" MAHKOTA (SP 080-1-MH)_1C72P	DINNER	PT. MUTIA	-20	6950	Active
11	0000000343341	DINASTY, SW8, KL PIRING 8" SPRING ROSE RED (SP 080-1-SRM)_1C72P	DINNER	PT. MUTIA	71	6950	Active
12	0000000343343	DINASTY, SW8, KL PIRING 9" BUNGA KUPU GREEN NO LINE (SP 090-1NL-BKH)_1C48P	DINNER	PT. MUTIA	-2	9600	Active
13	0000000343344	DINASTY, SW8, KL PIRING 9" BUNGA KUPU PURPLE NO LINE (SP 090-1NL-BKU)_1C48P	DINNER	PT. MUTIA	-2	9600	Active
14	0000000343345	DINASTY, SW8, KL PIRING 9" BUNGA KUPU RED NO LINE (SP 090-1NL-BKM)_1C48P	DINNER	PT. MUTIA	-2	9600	Active
15	0000000343346	DINASTY, SW8, KL PIRING 9" GOLDEN CROWN (SP 090-1-GC)_1C48P	DINNER	PT. MUTIA	-2	9600	Active
16	0000000343347	DINASTY, SW8, KL PIRING 9" LIST EMAS (SP 090-1-LS)_1C48P	DINNER	PT. MUTIA	-1	9600	Active
17	0000000343348	DINASTY, SW8, KL PIRING 9" MAHKOTA (SP 090-1-MH)_1C48P	DINNER	PT. MUTIA	45	9600	Active
18	0000000343351	DINASTY, SW8, KL PIRING 9,25" OMEGA BUNGA KUPU GREEN NO LINE (SPO 0925-1NL-BKH)_1C48P	DINNER	PT. MUTIA	47	9850	Active
19	0000000343352	DINASTY, SW8, KL PIRING 9,25" OMEGA BUNGA KUPU PURPLE NO LINE (SPO 0925-1NL-BKU)_1C48P	DINNER	PT. MUTIA	40	9850	Active
20	0000000343353	DINASTY, SW8, KL PIRING 9,25" OMEGA BUNGA KUPU RED NO LINE (SPO 0925-1NL-BKM)_1C48P	DINNER	PT. MUTIA	38	9850	Active
21	0000000343354	DINASTY, SW8, KL PIRING 9,25" OMEGA GOLDEN CROWN (SPO 0925-1-GC)_1C48P	DINNER	PT. MUTIA	-34	9850	Active
22	0000000343355	DINASTY, SW8, KL PIRING 9,25" OMEGA LIST EMAS (SPO 0925-1-LS)_1C48P	DINNER	PT. MUTIA	-17	9850	Active
23	0000000343356	DINASTY, SW8, KL PIRING 9,25" OMEGA MAHKOTA (SPO 0925-1-MH)_1C48P	DINNER	PT. MUTIA	48	9850	Active
24	0000000343357	DINASTY, SW8, KL PIRING 9,25" OMEGA PADMA (SPO 0925-1-PD)_1C48P	DINNER	PT. MUTIA	-8	9850	Active
25	0000000343358	DINASTY, SW8, KL PIRING 9,25" OMEGA ROYAL GREEN (SPO 0925-1-RG)_1C48P	DINNER	PT. MUTIA	-3	9850	Active
26	0000000343359	DINASTY, SW8, KL PIRING 9,25" OMEGA ROYAL RED (SPO 0925-1-RR)_1C48P	DINNER	PT. MUTIA	16	9850	Active
27	0000000343314	DINASTY, SW8, KL MANGKOK 6,25" LIST EMAS (BL 0625-1-LS)_1C72P	BOWL	PT. MUTIA	22	7500	Active
28	0000000343315	DINASTY, SW8, KL MANGKOK 7" BUNGA KUPU BLUE NO LINE (BL 070-1NL-BKB)_1C72P	BOWL	PT. MUTIA	51	7900	Active
29	0000000343316	DINASTY, SW8, KL MANGKOK 7" BUNGA KUPU GREEN NO LINE (BL 070-1NL-BKH)_1C72P	BOWL	PT. MUTIA	40	7900	Active
30	0000000343317	DINASTY, SW8, KL MANGKOK 7" BUNGA KUPU PURPLE NO LINE (BL 070-1NL-BKU)_1C72P	BOWL	PT. MUTIA	23	7900	Active
31	0000000343318	DINASTY, SW8, KL MANGKOK 7" BUNGA KUPU RED NO LINE (BL 070-1NL-BKM)_1C72P	BOWL	PT. MUTIA	40	7900	Active
32	0000000343320	DINASTY, SW8, KL MANGKOK 7" LIST EMAS (BL 070-1-LS)_1C72P	BOWL	PT. MUTIA	26	7900	Active
33	0000000343321	DINASTY, SW8, KL MANGKOK 7" MAHKOTA (BL 070-1-MH)_1C72P	BOWL	PT. MUTIA	-8	7900	Active
34	0000000343323	DINASTY, SW8, KL MANGKOK 7" ROYAL GREEN (BL 070-1-RG)_1C72P	BOWL	PT. MUTIA	58	7900	Active
35	0000000343324	DINASTY, SW8, KL MANGKOK 7" ROYAL RED (BL 070-1-RR)_1C72P	BOWL	PT. MUTIA	70	7900	Active
36	0000000343326	DINASTY, SW8, KL MANGKOK 7" SPRING ROSE RED (BL 070-1-SRM)_1C72P	BOWL	PT. MUTIA	-6	7900	Active

Lampiran 10 Tabel r 51-100

Tabel r untuk df = 51 - 100

df = (N-2)	Tingkat signifikansi untuk uji satu arah				
	0.05	0.025	0.01	0.005	0.0005
	Tingkat signifikansi untuk uji dua arah				
	0.1	0.05	0.02	0.01	0.001
51	0.2284	0.2706	0.3188	0.3509	0.4393
52	0.2262	0.2681	0.3158	0.3477	0.4354
53	0.2241	0.2656	0.3129	0.3445	0.4317
54	0.2221	0.2632	0.3102	0.3415	0.4280
55	0.2201	0.2609	0.3074	0.3385	0.4244
56	0.2181	0.2586	0.3048	0.3357	0.4210
57	0.2162	0.2564	0.3022	0.3328	0.4176
58	0.2144	0.2542	0.2997	0.3301	0.4143
59	0.2126	0.2521	0.2972	0.3274	0.4110
60	0.2108	0.2500	0.2948	0.3248	0.4079
61	0.2091	0.2480	0.2925	0.3223	0.4048
62	0.2075	0.2461	0.2902	0.3198	0.4018
63	0.2058	0.2441	0.2880	0.3173	0.3988
64	0.2042	0.2423	0.2858	0.3150	0.3959
65	0.2027	0.2404	0.2837	0.3126	0.3931
66	0.2012	0.2387	0.2816	0.3104	0.3903
67	0.1997	0.2369	0.2796	0.3081	0.3876
68	0.1982	0.2352	0.2776	0.3060	0.3850
69	0.1968	0.2335	0.2756	0.3038	0.3823
70	0.1954	0.2319	0.2737	0.3017	0.3798
71	0.1940	0.2303	0.2718	0.2997	0.3773
72	0.1927	0.2287	0.2700	0.2977	0.3748
73	0.1914	0.2272	0.2682	0.2957	0.3724
74	0.1901	0.2257	0.2664	0.2938	0.3701
75	0.1888	0.2242	0.2647	0.2919	0.3678
76	0.1876	0.2227	0.2630	0.2900	0.3655
77	0.1864	0.2213	0.2613	0.2882	0.3633
78	0.1852	0.2199	0.2597	0.2864	0.3611
79	0.1841	0.2185	0.2581	0.2847	0.3589
80	0.1829	0.2172	0.2565	0.2830	0.3568
81	0.1818	0.2159	0.2550	0.2813	0.3547
82	0.1807	0.2146	0.2535	0.2796	0.3527
83	0.1796	0.2133	0.2520	0.2780	0.3507
84	0.1786	0.2120	0.2505	0.2764	0.3487
85	0.1775	0.2108	0.2491	0.2748	0.3468
86	0.1765	0.2096	0.2477	0.2732	0.3449
87	0.1755	0.2084	0.2463	0.2717	0.3430
88	0.1745	0.2072	0.2449	0.2702	0.3412
89	0.1735	0.2061	0.2435	0.2687	0.3393
90	0.1726	0.2050	0.2422	0.2673	0.3375
91	0.1716	0.2039	0.2409	0.2659	0.3358
92	0.1707	0.2028	0.2396	0.2645	0.3341
93	0.1698	0.2017	0.2384	0.2631	0.3323
94	0.1689	0.2006	0.2371	0.2617	0.3307
95	0.1680	0.1996	0.2359	0.2604	0.3290
96	0.1671	0.1986	0.2347	0.2591	0.3274
97	0.1663	0.1975	0.2335	0.2578	0.3258
98	0.1654	0.1966	0.2324	0.2565	0.3242
99	0.1646	0.1956	0.2312	0.2552	0.3226
100	0.1638	0.1946	0.2301	0.2540	0.3211

Lampiran 11 Tabel uji t 1-40

Pr df	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
1	1.00000	3.07768	6.31375	12.7062 0	31.82052	63.65674	318.30884
2	0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3	0.76489	1.63774	2.35336	3.18245	4.54070	5.84091	10.21453
4	0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5	0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6	0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7	0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.78529
8	0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9	0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.29681
10	0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.14370
11	0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.02470
12	0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	3.92963
13	0.69383	1.35017	1.77093	2.16037	2.65031	3.01228	3.85198
14	0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	3.78739
15	0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	3.73283
16	0.69013	1.33676	1.74588	2.11991	2.58349	2.92078	3.68615
17	0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.64577
18	0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.61048
19	0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.57940
20	0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.55181
21	0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.52715
22	0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.50499
23	0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.48496
24	0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.46678
25	0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.45019
26	0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.43500
27	0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.42103
28	0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.40816
29	0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.39624
30	0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.38518
31	0.68249	1.30946	1.69552	2.03951	2.45282	2.74404	3.37490
32	0.68223	1.30857	1.69389	2.03693	2.44868	2.73848	3.36531
33	0.68200	1.30774	1.69236	2.03452	2.44479	2.73328	3.35634
34	0.68177	1.30695	1.69092	2.03224	2.44115	2.72839	3.34793
35	0.68156	1.30621	1.68957	2.03011	2.43772	2.72381	3.34005
36	0.68137	1.30551	1.68830	2.02809	2.43449	2.71948	3.33262
37	0.68118	1.30485	1.68709	2.02619	2.43145	2.71541	3.32563
38	0.68100	1.30423	1.68595	2.02439	2.42857	2.71156	3.31903
39	0.68083	1.30364	1.68488	2.02269	2.42584	2.70791	3.31279
40	0.68067	1.30308	1.68385	2.02108	2.42326	2.70446	3.30688

Lampiran 12 Hasil Output Uji Validitas SPSS Karyawan

		Correlations																Total
		Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	
Y1	Pearson Correlation	1	.801**	.602**	.446**	.219	.064	.061	.201	.079	.071	.093	.420**	.560**	.168	.366*	.252	.568**
	Sig. (2-tailed)		.000	.000	.004	.181	.699	.712	.220	.632	.668	.573	.008	.000	.306	.022	.122	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y2	Pearson Correlation		1	.636**	.540**	.143	.095	.133	.320*	.203	.167	.160	.292	.416**	.101	.580**	.226	.630**
	Sig. (2-tailed)			.000	.000	.384	.564	.419	.047	.000	.000	.330	.071	.000	.008	.000	.166	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y3	Pearson Correlation			1	.650**	.153	.161	.269	.290	.115	.005	.001	.404*	.525**	-.069	.337*	.134	.706**
	Sig. (2-tailed)				.000	.354	.327	.098	.073	.399	.399	.399	.000	.000	.678	.036	.416	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y4	Pearson Correlation				1	.478**	.318*	.357*	.223	.088	.275	.384*	.231	.233	-.128	.418**	.125	.613**
	Sig. (2-tailed)					.002	.049	.026	.171	.554	.090	.016	.156	.154	.437	.008	.449	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y5	Pearson Correlation					1	.553**	.256	.218	-.006	.125	.017	.102	.128	-.055	.089	.927	.384*
	Sig. (2-tailed)						.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.39	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y6	Pearson Correlation						1	.638**	.570**	.329*	.428**	.309	.219	.158	-.272	.178	.178	.565**
	Sig. (2-tailed)							.000	.000	.041	.007	.056	.181	.338	.094	.279	.951	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y7	Pearson Correlation							1	.621**	.505**	.407*	.286	.170	.067	-.260	.085	.085	.555**
	Sig. (2-tailed)								.000	.001	.010	.068	.301	.684	.110	.607	.953	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y8	Pearson Correlation								1	.736**	.456**	.376*	.308	.273	-.046	.299	.040	.706**
	Sig. (2-tailed)									.000	.004	.018	.056	.092	.782	.065	.811	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y9	Pearson Correlation									1	.736**	.368*	.241	.288	-.092	.150	.196	.595**
	Sig. (2-tailed)										.000	.001	.004	.001	.001	.001	.232	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y10	Pearson Correlation										1	.766**	.438*	.224	-.181	.148	.098	.650**
	Sig. (2-tailed)											.000	.005	.171	.269	.368	.551	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y11	Pearson Correlation											1	.662**	.427**	-.308	.168	.011	.631**
	Sig. (2-tailed)												.000	.007	.057	.308	.946	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y12	Pearson Correlation												1	.700**	.047	.232	.041	.651**
	Sig. (2-tailed)													.000	.000	.000	.804	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y13	Pearson Correlation													1	.250	.245	.228	.655**
	Sig. (2-tailed)														.124	.132	.163	.000
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y14	Pearson Correlation														1	.306	.151	.031
	Sig. (2-tailed)															.058	.359	.851
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y15	Pearson Correlation															1	.123	.486**
	Sig. (2-tailed)																.455	.002
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Y16	Pearson Correlation																1	.258
	Sig. (2-tailed)																	.113
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Total	Pearson Correlation																	1
	Sig. (2-tailed)																	
	N	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39

**. Correlation is significant at the 0.01 level (2-tailed).
*. Correlation is significant at the 0.05 level (2-tailed).

Lampiran 13 Hasil Output Uji Validitas SPSS Pelanggan

		Correlations							
		X1	X2	X3	X4	X5	X6	X7	Total
X1	Pearson Correlation	1	.631**	.623**	.552**	.557**	.608**	.347**	.815**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.006	.000
	N	61	61	61	61	61	61	61	61
X2	Pearson Correlation	.631**	1	.587**	.543**	.509**	.432**	.452**	.780**
	Sig. (2-tailed)	.000		.000	.000	.000	.001	.000	.000
	N	61	61	61	61	61	61	61	61
X3	Pearson Correlation	.623**	.587**	1	.595**	.510**	.468**	.287*	.764**
	Sig. (2-tailed)	.000	.000		.000	.000	.000	.025	.000
	N	61	61	61	61	61	61	61	61
X4	Pearson Correlation	.552**	.543**	.595**	1	.445**	.508**	.406**	.755**
	Sig. (2-tailed)	.000	.000	.000		.000	.000	.001	.000
	N	61	61	61	61	61	61	61	61
X5	Pearson Correlation	.557**	.509**	.510**	.445**	1	.668**	.327*	.777**
	Sig. (2-tailed)	.000	.000	.000	.000		.000	.010	.000
	N	61	61	61	61	61	61	61	61
X6	Pearson Correlation	.608**	.432**	.468**	.508**	.668**	1	.410**	.780**
	Sig. (2-tailed)	.000	.001	.000	.000	.000		.001	.000
	N	61	61	61	61	61	61	61	61
X7	Pearson Correlation	.347**	.452**	.287*	.406**	.327*	.410**	1	.613**
	Sig. (2-tailed)	.006	.000	.025	.001	.010	.001		.000
	N	61	61	61	61	61	61	61	61
Total	Pearson Correlation	.815**	.780**	.764**	.755**	.777**	.780**	.613**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	.000	
	N	61	61	61	61	61	61	61	61

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Lampiran 14 Hasil Output Uji T (Y1)

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Y1 ^b	.	Enter

a. Dependent Variable: X

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,560 ^a	,313	,295	3,658

a. Predictors: (Constant), Y1

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	225,963	1	225,963	16,890	,000 ^b
	Residual	495,012	37	13,379		
	Total	720,974	38			

a. Dependent Variable: X

b. Predictors: (Constant), Y1

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	11,944	4,346		2,748	,009
	Y1	,807	,196	,560	4,110	,000

a. Dependent Variable: X

Lampiran 15 Hasil Output Uji T (Y2)**Variables Entered/Removed^a**

Model	Variables Entered	Variables Removed	Method
1	Y2 ^b	.	Enter

a. Dependent Variable: X

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,105 ^a	,011	-,016	4,390

a. Predictors: (Constant), Y2

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	7,876	1	7,876	,409	,527 ^b
	Residual	713,099	37	19,273		
	Total	720,974	38			

a. Dependent Variable: X

b. Predictors: (Constant), Y2

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	27,323	3,694		7,397	,000
	Y2	,096	,151	,105	,639	,527

a. Dependent Variable: X

Lampiran 16 Responden Kuesioner Karyawan

Timestamp	Nama	Jenis Kelamin	1. Barcode mempercepat identifikasi produk	2. Waktu transaksi menjadi lebih singkat	3. Proses input data berlangsung lebih cepat	4. Kesalahan pencatatan data produk berkurang	5. Harga produk sesuai dengan data sistem	6. Informasi produk yang ditampilkan akurat	7. Pengelolaan stok menjadi lebih efisien	8. Proses kerja kasir menjadi lebih efektif	9. Biaya operasional
7/23/2026 20:40:23 Dimas	Laki-laki	27	3	2	4	3	4	3	3	3	3
7/23/2026 20:56:26 Rahmat	Laki-laki	22	2	2	3	3	3	3	4	4	4
7/23/2026 20:57:36 Ilham	Laki-laki	31	3	4	4	4	4	4	3	3	3
7/23/2026 21:01:00 Reska	Laki-laki	36	4	4	4	4	2	2	3	2	2
7/23/2026 21:07:09 Riva Paula Salsabila	Perempuan	19	4	4	4	3	3	4	3	5	5
7/23/2026 21:13:27 rizki saharani	Perempuan	19	5	5	5	5	3	3	4	5	5
7/23/2026 22:54:29 maui	Laki-laki	100	5	5	5	5	5	5	5	5	5
7/23/2026 23:04:04 Nila	Perempuan	18	4	5	4	4	4	4	4	5	5
7/23/2026 23:17:31 Delfa	Laki-laki	22	3	3	3	4	4	4	4	3	3
7/24/2026 0:27:42 Selma	Perempuan	21	3	3	3	3	3	3	4	4	4
7/24/2026 7:36:39 Rivan	Laki-laki	25	2	2	3	3	2	4	4	3	3
7/24/2026 7:37:30 Astri	Perempuan	27	2	2	3	3	3	3	4	3	3
7/24/2026 8:45:18 Hery	Laki-laki	39	4	4	3	3	3	3	3	4	4
7/24/2026 13:46:47 Rizki	Laki-laki	37	4	4	3	3	3	2	3	3	3
7/24/2026 17:34:11 Hasna	Perempuan	24	4	3	3	3	4	3	2	2	2
7/24/2026 18:30:37 Milzi	Perempuan	21	2	3	3	3	2	3	3	4	4
7/25/2026 21:31:27 Meli I	Perempuan	20	4	4	4	4	3	3	4	3	3
7/25/2026 21:32:36 Pajar U	Laki-laki	32	4	3	3	3	3	4	3	3	3
7/25/2026 21:33:55 Sigi M	Laki-laki	27	3	3	3	4	3	4	4	4	4
7/25/2026 21:39:36 Syta N	Perempuan	22	3	3	3	3	3	3	3	3	3
7/25/2026 21:44:19 Nadila Matihah	Perempuan	19	3	3	3	5	5	3	2	2	2
7/25/2026 22:40:23 Ulfi	Perempuan	24	3	3	3	3	3	3	2	3	3
7/25/2026 22:41:04 Alva Putri	Perempuan	22	3	4	3	3	3	3	3	3	3
7/25/2026 22:42:35 Rasya Fauziah	Perempuan	22	3	2	3	3	3	3	3	3	3
7/25/2026 22:43:07 Delen	Laki-laki, Perempuan	21	3	3	4	4	4	4	4	4	4
7/25/2026 22:43:52 Adelia	Perempuan	27	3	4	4	4	3	3	3	3	3
7/25/2026 22:44:06 Yusuf Imam	Laki-laki	22	3	3	3	3	3	2	3	2	2
7/25/2026 22:45:16 Jodi	Laki-laki	29	4	4	4	3	2	2	2	2	2
7/25/2026 22:46:14 Ratih	Perempuan	35	3	3	3	3	3	3	3	4	4
7/25/2026 22:47:00 Ahmad Kamali	Laki-laki	25	3	3	3	3	4	4	4	4	4
7/25/2026 22:47:33 Wendi	Laki-laki	23	3	3	3	3	3	2	2	4	4
7/25/2026 22:48:08 Agus	Laki-laki	28	4	4	3	3	3	3	3	3	3
7/25/2026 22:48:36 Vilan	Laki-laki	22	3	3	4	3	2	2	2	2	2
7/25/2026 22:49:16 Nadida	Perempuan	21	3	3	3	3	3	2	2	2	2
7/25/2026 22:50:05 Dike	Perempuan	23	3	3	3	3	4	4	4	4	4
7/25/2026 22:50:46 Lucky Andriyansah	Laki-laki	40	3	3	3	3	4	4	3	3	3
7/25/2026 22:51:17 Asikah	Perempuan	22	3	3	3	3	3	3	2	3	3
7/25/2026 22:51:57 Siska	Perempuan	35	3	3	3	3	3	3	3	3	3
7/25/2026 22:52:48 Ade Putra	Laki-laki	24	4	4	4	4	4	3	3	3	3

M	N	O	P	Q	R	S	T
9. Penggunaan barcode mengurangi pekerjaan manual	10. Penggunaan tenaga kerja menjadi lebih optimal	11. Pemanfaatan peralatan menjadi lebih efisien	12. Waktu tunggu pelanggan berkurang	13. Kesalahan transaksi semakin sedikit	14. Kesalahan pencatatan stok berkurang	15. Biaya operasional dapat ditekan	16. Pemborosan operasional dapat dikurangi
3	4	4	4	4	4	3	2
4	3	3	3	3	3	3	3
3	3	3	3	3	3	3	4
3	3	3	3	3	3	3	3
5	4	4	4	4	4	3	3
5	5	5	5	5	5	4	4
5	5	5	5	5	5	1	3
5	4	4	5	5	5	4	4
3	4	3	2	2	3	3	3
4	1	1	1	2	3	3	3
4	4	4	3	3	2	3	4
3	3	4	4	3	2	2	3
4	2	2	3	4	4	3	3
3	2	2	4	3	3	3	3
2	3	2	3	3	3	3	4
4	4	4	3	2	2	3	3
2	2	3	3	3	3	3	3
3	2	3	5	5	3	3	3
4	4	4	4	2	2	3	2
5	3	2	2	3	3	2	4
2	2	3	3	3	3	3	3
3	2	3	3	3	3	3	3
3	4	3	4	3	4	3	3
3	3	3	4	4	5	3	3
4	4	3	3	2	3	3	3
3	3	3	2	4	3	3	3
4	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3
4	4	4	3	3	3	3	3
4	4	3	3	3	3	3	3
4	3	3	3	3	3	3	3
3	3	3	3	3	3	3	2
4	4	4	4	4	4	3	3
3	2	3	3	3	3	3	3
4	4	3	3	3	3	3	3
3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	4

Lampiran 17 Responden Kuesioner Pelanggan

Timestamp	Nama	Jenis Kelamin	Umur	1. Pelayanan kasir berlangsung lebih cepet	2. Pelayanan yang diterima memuaskan	3. Kecepatan pelayanan sesuai harapan	4. Pelayanan sesuai dengan harapan pelanggan	5. Sistem barcode membantu kelancaran transaksi sesuai harapan	6. Pelanggan merasa puas setelah bertransaksi	7. Pelanggan bersedia kembali berbelanja
7/23/2026 18:55:52	Denanda	Perempuan	23	3	3	2	3	4	4	3
7/23/2026 19:01:04	Feby	Perempuan	23	4	5	5	5	5	4	5
7/23/2026 19:16:15	Cantika	Perempuan	22	3	3	4	3	4	3	2
7/23/2026 19:16:22	Nina Milano	Perempuan	22	5	5	4	4	5	4	5
7/23/2026 20:41:55	Rian	Laki - laki	21	3	3	3	3	2	3	3
7/23/2026 20:44:35	Aluufa zahira shadic	Perempuan	19	4	3	4	4	4	3	4
7/23/2026 21:09:05	Ucup Haesudin	Laki - laki	28	3	4	3	3	3	3	3
7/23/2026 21:38:47	Anggi	Laki - laki	25	4	4	3	3	4	3	4
7/23/2026 23:16:08	Lisa	Perempuan	27	3	3	4	4	4	2	2
7/24/2026 0:22:42	Ilyas	Laki - laki	30	4	3	3	3	3	3	2
7/24/2026 7:33:40	Asep H	Laki - laki	28	3	3	3	3	2	2	3
7/24/2026 7:34:16	Rio S	Laki - laki	25	4	4	4	2	4	3	3
7/24/2026 7:35:19	Dahlia	Perempuan	22	2	2	2	3	2	3	4
7/24/2026 8:44:00	Rina Suci	Laki - laki, Perempuan	25	3	3	3	3	3	4	3
7/24/2026 13:45:54	Azis F	Laki - laki	24	3	3	4	4	2	2	3
7/24/2026 17:33:21	Nuraini	Perempuan	28	3	3	3	3	3	3	4
7/24/2026 18:28:58	Dani	Laki - laki	29	3	3	3	2	3	3	4
7/24/2026 19:41:49	Rifa Nurilaili	Perempuan	28	5	5	5	5	5	5	5
7/24/2026 19:43:30	Septian Dwi Cahya	Laki - laki	29	5	5	5	5	5	5	5
7/25/2026 0:35:56	Vina	Perempuan	23	4	4	4	4	3	3	3
7/25/2026 0:38:24	Ucu	Perempuan	24	4	4	3	3	3	3	5
7/25/2026 0:38:53	Devi	Perempuan	30	4	2	3	4	4	4	4
7/25/2026 0:37:31	Aisyah	Perempuan	20	4	4	3	5	4	4	4
7/25/2026 0:38:46	Risa	Perempuan	21	4	4	3	4	5	4	4
7/25/2026 0:41:28	Dela	Perempuan	18	4	4	3	4	3	4	4
7/25/2026 0:42:10	Reina	Perempuan	25	4	3	3	4	4	4	4
7/25/2026 13:23:43	Idan Fadilah	Laki - laki	22	4	4	4	4	2	3	3

Timestamp	Nama	Jenis Kelamin	Umur	1. Pelayanan kasir berlangsung lebih cepat	2. Pelayanan yang diterima memuaskan	3. Kecepatan pelayanan sesuai harapan	4. Pelayanan sesuai dengan harapan pelanggan	5. Sistem barcode membantu kelancaran transaksi sesuai harapan	6. Pelanggan merasa puas setelah bertransaksi	7. Pelanggan bersedia kembali berbelanja
7/25/2026 13:24:08	Yuli A	Perempuan	24	2	3	2	3	3	3	3
7/25/2026 21:26:37	Hilal Tsani	Laki - laki	24	2	3	3	3	3	3	4
7/25/2026 21:28:01	Najwa	Perempuan	21	4	4	4	4	4	4	5
7/25/2026 21:43:24	Nadya N	Perempuan	19	3	3	3	2	2	2	5
7/25/2026 22:14:48	Rismayanti	Perempuan	26	3	4	2	3	1	1	4
7/25/2026 22:15:53	Galang	Laki - laki	19	4	4	3	3	4	4	4
7/25/2026 22:18:14	Dheyren	Laki - laki	26	2	2	3	2	3	3	2
7/25/2026 22:40:59	Citra Diana	Perempuan	30	4	2	3	4	2	4	3
7/25/2026 22:42:17	Jessica	Perempuan	24	1	3	2	3	2	1	3
7/25/2026 22:43:26	Katrina Hestiana	Perempuan	25	3	4	4	3	5	4	3
7/25/2026 22:48:25	Sié Aminah	Perempuan	36	3	2	2	3	4	3	3
7/25/2026 22:47:24	Ali Mustofa	Laki - laki	34	4	4	3	4	4	4	4
7/25/2026 22:48:49	Fajar Haikal	Laki - laki	21	4	5	4	4	5	4	5
7/25/2026 22:49:41	Reyhansif	Laki - laki	23	5	4	4	4	5	4	4
7/25/2026 22:50:29	Desi Nurfaizah	Perempuan	22	5	4	4	4	5	4	4
7/25/2026 22:51:13	Sheila Marcia	Perempuan	20	3	3	3	3	3	3	3
7/25/2026 22:52:02	Reizal Juanda	Laki - laki	27	4	3	3	2	5	3	3
7/25/2026 22:52:36	Maesarah	Perempuan	26	4	3	4	4	4	3	4
7/25/2026 22:53:09	Tufi Hartati	Perempuan	34	4	4	3	4	5	4	4
7/25/2026 22:54:10	Yuni Wahyuni	Perempuan	32	2	3	2	3	4	3	4
7/25/2026 22:54:46	Mirna	Perempuan	25	3	3	3	3	3	3	5
7/25/2026 22:55:18	Patricia	Perempuan	25	3	3	3	3	3	3	3
7/25/2026 22:55:44	Endang	Perempuan	26	4	4	3	3	3	4	5
7/25/2026 22:55:53	AINA MUBAROKAH	Perempuan	22	3	4	3	3	4	3	3
7/25/2026 22:58:09	Indra	Laki - laki	27	3	3	5	4	4	5	5
7/25/2026 22:58:32	Hasani	Laki - laki	25	3	2	2	2	3	3	4
7/25/2026 22:57:00	Dicki wayhudi	Laki - laki	27	3	3	3	3	3	3	3
7/25/2026 22:57:32	Ica	Perempuan	27	4	4	4	4	4	4	5
7/25/2026 22:58:04	Dadan	Laki - laki	34	3	3	3	3	2	2	3
7/25/2026 22:58:33	Fadil	Laki - laki	26	2	2	2	2	3	3	4
7/25/2026 22:59:11	Suryani	Perempuan	31	3	3	4	4	4	2	5
7/25/2026 22:59:48	Moch Ahmad	Laki - laki	22	3	2	2	2	2	2	2