

## DAFTAR PUSTAKA

- Affandi, P. (2018). *Manajemen Sumber Daya Manusia (Teori, Konsep, Dan Indikator)*. Zanafa Publishing.
- Ahmad, S., & Khairusy, M. A. (2022). Pengaruh Beban Kerja dan Keselamatan Kerja Terhadap Produktivitas Kerja Pada Pegawai Pelabuhan Perikanan Nusantara Karangantu Di Kota Serang. *JUMANIS*, 4(8), 14–20. <https://doi.org/10.56304/s0040363622080021>
- Anggina Maghfira. (2023). Pengaruh beban kerja dan keselamatan kesehatan kerja (k3) terhadap kinerja karyawan pt. hokkan deltapack industri branch kampar. *Pajak Dan Bisnis*, 4(1), 13–19.
- Ardana, I. K. (2012). *Manajemen Sumber Daya Manusia*. Graha Ilmu.
- Arikunto, S. (2013). *Prosedur Penelitian Suatu Pendekatan Praktik*. PT Rineka Cipta.
- Bangun, W. (2012). *Manajemen Sumber Daya Manusia*. PT Gelora Aksara pratama.
- Budiono, A. M. S. (2003). *Kelelahan (Fatigue) Pada Tenaga Kerja* (Edisi II). Universitas Diponegoro.
- Dahlia, M. (2019). Pengaruh Lingkungan Kerja Dan Kelelahan Kerja Terhadap Produktivitas Kerja Karyawan Bagian Produksi (Studi Kasus PT. Sumber Graha Sejahtera (SGS)). *Jurnal Manajemen STIE Muhammadiyah Palopo*, 5(1), 11–16. <https://doi.org/10.35906/Jm001.V5i1.342>
- Diyanti, Hubeis Musa, A. M. J. (2017). *Pengaruh motivasi kerja dan iklim kerja terhadap kepuasan kerja dan implikasinya terhadap kinerja tenaga kependidikan institut pertanian bogor*. 3(3), 361–372.
- Extiavisca, L., & Ekawati, R. (2021). Pengaruh Kemampuan Kerjasama dalam Tim dan Kelelahan Kerja Terhadap Produktivitas Karyawan Bagian Ekspedisi PT Nirwana Alabare Garment. *Jurnal Study*, XVIII(2), 83–99. <http://www.jurnalsmart.stembi.ac.id/index.php/jurnalsmart/article/view/146>
- Ghozali, I. (2018). *Aplikasi Analisis Multivariate Dengan Program IBM SPSS 25*. Universitas Diponegoro.
- Hadiningrum, K. (2003). *Keselamatan dan Kesehatan Kerja*. Politeknik Negeri Bandung.
- Harras, H., Sugiarti, E., & Wahyudi. (2020). *Kajian Manajemen Sumber Daya Manusia* (Wahyudi (ed.)). UNPAM PRESS.

- Hasibuan, M. S. . (2016). *Manajemen Sumber Daya Manusia* (Edisi Revi). Bumi Aksara.
- Ihwanul Muthohirin. (2019). Pengaruh Keselamatan dan Kesehatan Kerja Terhadap Produktivitas Kerja Karyawan. *Sketsa Bisnis*, 4(2), 85–96. <https://doi.org/10.35891/jsb.v4i2.1599>
- Koesomowidjojo, S. (2017). *Panduan Praktis Menyusun Analisis Beban Kerja. Raih Asa Sukses*.
- Mangkunegara, A. . A. P. (2017). *Manajemen Sumber Daya Manusia Perusahaan*. Remaja Rosdakarya.
- Qomariah, N. (2020). *Manajemen Sumber Daya Manusia*. CV. Pustaka Abadi.
- Rst, R., Yulistria, R., Handayani, E. P., & Nursanty, S. (2021). Pengaruh Keselamatan dan Kesehatan Kerja (K3) Terhadap Produktivitas. *Swabumi*, 9(2), 155–166.
- Saefullah, E., Listiawati, & Amalia, N. A. (2017). Pengaruh Beban Kerja Dan Stres Kerja Terhadap Produktivitas Kerja Di PT.Venia Agape Indonesia. *Akademika Journal*, 15(2).
- Salami. (2016). *Kesehatan dan Keselamatan Lingkungan Kerja*. Gajah Mada University Press.
- Sedarmayanti. (2009). *Sumber Daya Manusia dan Produktivitas Kerja*. Mandar Maju.
- Setyawati, L. (2010). *Selintas Kelelahan Kerja*. Amara Books.
- Sidiq, M. (2019). Pengaruh Kelelahan Kerja Dan Hubungan Atasan dan Bawahan Terhadap Produktifitas Karyawan. *Psikoborneo: Jurnal Ilmiah Psikologi*, 7(2), 284–293. <https://doi.org/10.30872/psikoborneo.v7i2.4784>
- Simamora, H. (2004). *Manajemen Sumber Daya Manusia*. STIE YKPN.
- Sugiyono. (2019). *Metode Penelitian Kuantitatif Kualitatif dan R&D*. Alfabeta,CV.
- Suliyanto. (2018). *Metode Penelitian Bisnis*. CV. Andi Offset.
- Suma'mur. (2009). *Higiene Perusahaan dan Kesehatan Kerja (HIPERKES)*. Sagung Seto.
- Suma'mur. (2014). *Kesehatan Kerja dalam Prespektif Hiperkes dan Keselamatan Kerja*. Erlangga.
- Sutrisno, E. (2016). *Manajemen Sumber Daya Manusia*. Kencana.
- Syahputra, A., & Andriani, M. (2021). Strategi Peningkatan Produktivitas Perusahaan Menggunakan Total Productivity Model (Tpm) Di Pt. Dolomit

- Putra Tamiang. *Jurnal Industri Samudra*, 2(1), 2797–7730.
- Tarwaka. (2015). *Ergonomi Industri “Dasar-dasar Pengetahuan Ergonomi dan Aplikasi Di Tempat Kerja”* (Edisi II). Harapan Press.
- Triyadin, A., & Yusuf, M. (2021). Pengaruh beban kerja terhadap produktifitas kerja pegawai pada ulp rayon woha. *Forum Ekonomi*, 23(1), 102–107.
- Widodo, W., & Prabowo, C. H. (2018). Pengaruh Kesehatan Dan Keselamatan Kerja ( K3 ) Dan Lingkungan Kerja Terhadap Produktivitas Kerja Karyawan Pt Rickstar Indonesia. *Jurnal Manajemen Bisnis Krisnadwipayana*, 6(3). <https://doi.org/10.35137/jmbk.v6i3.224>

# LAMPIRAN

## Lampiran 1

### Surat Perizinan Dari Fakultas Ekonomi dan Bisnis



**YAYASAN PENDIDIKAN PANCASAKTI**  
**UNIVERSITAS PANCASAKTI TEGAL**  
**FAKULTAS EKONOMI DAN BISNIS**  
 PROGRAM STUDI :  
 MANAJEMEN, AKUNTANSI, MANAJEMEN PERPAJAKAN, DAN BISNIS DIGITAL  
 Jalan Halmahera KM.1 Kota Tegal 52121  
 Sekretariat : Telp (0283) 355720  
 Web : <http://feb.upstegal.ac.id>, email : [feb@upstegal.ac.id](mailto:feb@upstegal.ac.id)

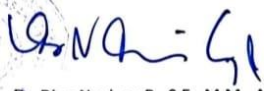
Nomor : **19/K/E/FEB/UPS/XII/2022** Tegal, 13 Desember 2022  
 Lampiran : -  
 Perihal : **Ijin Penelitian dan Permintaan Data**

Kepada : **Yth. Direktur PT. Ahmadaris Kab. Tegal**  
 Jl. Raya Dampyak No.Km.5, Kedondong, Padaharja, Kec. Kramat  
 di – Kab. Tegal

Dengan hormat, salah satu syarat untuk menyelesaikan program sarjana (S1) Fakultas Ekonomi dan Bisnis mahasiswa diwajibkan mengadakan penelitian sebagai bahan menyusun skripsi. Berkenaan dengan hal tersebut, mohon perkenaan Bapak/Ibu membantu memberi data yang diperlukan dalam penelitian tersebut kepada mahasiswa :


N a m a : **Rizqi Amelia**  
 NPM : **4119500180**  
 Program Studi : **Manajemen**  
 Judul Skripsi : **Pengaruh Beban Kerja, Kelelahan Kerja, Dan Keselamatan Dan Kesehatan Kerja Terhadap Produktivitas Kerja Karyawan Bagian Produksi Pada PT. Ahmadaris Kab. Tegal**

Atas bantuan dan kerja sama yang baik kami ucapkan terima kasih.

Dekan  
  
 Dr. Dien Noviany R., S.E., M.M., Akt., CA  
 NIDN. 0628117502

## Lampiran 2

### Surat Balasan Ijin Penelitian Skripsi di PT. Ahmadaris Tegal

 **AHMADARIS**<sup>PT</sup>  
 PT. Ahmadaris Tegal  
 Jl. Raya Pahlawan Km. 5  
 Kp. Kelay - Tegal 75114  
 Telp. (082) 25114 - Fax. (082) 25114  
 Email: ahmadaris@ptahmadaris.com

**SURAT IZIN PRAKTEK KERJA LAPANGAN/ PENELITIAN**  
 No. : 001/SI-PKL/AA/I/2023

**Yth. Rizqi Amelia – (4119500180)**

Menindaklanjuti pengajuan Ijin Penelitian dan Permintaan Data anda di PT. Ahmadaris dengan nomor "19/K/E/FEB/UPS/XII/2022" pada hari Kamis, 22 Desember 2022, bersama ini dapat kami sampaikan bahwa Anda :

**DITERIMA**

Perlu disampaikan bahwa selama Ijin Penelitian dan Permintaan Data pada tanggal yang diajukan diharapkan mahasiswa yang bersangkutan dapat mengenakan jas Almamater dan menyesuaikan dengan petugas yang akan memberikan data/keterangan, mengikuti setiap kegiatan dan berperan aktif dalam kegiatan di dalamnya.

Disamping itu yang bersangkutan diharuskan mengikuti peraturan dan ketentuan yang berlaku di PT. Ahmadaris Tegal dan hasil yang diperoleh hanya digunakan untuk keperluan lingkungan Akademis Perguruan Tinggi. Apabila dalam pelaksanaan kegiatan Praktek Kerja tersebut mahasiswa melanggar peraturan dan ketentuan, maka surat persetujuan ini tidak berlaku dan mahasiswa dianggap tidak melakukan kegiatan tersebut.

Selanjutnya agar mahasiswa yang dimaksud melapor CP terkait dengan membawa Surat Ijin Magang ini, KTM dan mengenakan Jas Almamater untuk mendapatkan penjelasan lebih lanjut.

Demikian disampaikan agar menjadi maklum. Atas perhatian, bantuan dan kerjasamanya diucapkan terima kasih.

Salam hormat,  
**Human Resources Development and General Affair (HRD&GA)**  
**PT. Ahmadaris Tegal**

Dengan Hormat,

Sehubungan dengan praktek magang yang dilaksanakan :

Adapun tata tertib yang harus dipatuhi dan dijalani mahasiswa PKL adalah sebagai berikut :

1. Menggunakan pakaian resmi, batik, celana/rok bahan (bukan denim/jeans).
2. Memakai jaket almamater selama pelaksanaan.

3. Membawa surat izin magang kerja/penelitian dari PT. Ahmadaris.

4. Aktif dan mengikuti kegiatan di PT. Ahmadaris Tegal


5. Agar dapat hadir pada tanggal yang telah ditentukan dan melapor kepada fungsi HRD&General Affair PT Ahmadaris Tegal.

6. Jam masuk dan pulang praktik kerja adalah 08.00 s/d 16.00 dan apabila dibutuhkan oleh user, maka jam kerja dapat disesuaikan.

7. Mematuhi peraturan dan ketentuan yang berlaku di Perusahaan.

8. Surat Keterangan Praktek Kerja/Penelitian dari Perusahaan akan diterbitkan apabila mahasiswa telah menyerahkan/menunjukkan copy jurnal kegiatan/laporan praktek kerja selama magang kerja di Perusahaan.

Demikian disampaikan, atas perhatian, bantuan dan kerjasamanya diucapkan terima kasih.

Tegal, 05 Januari 2023  
 Kepala HRD&GA  
  
**Ratno Santoso**

**Lampiran 3**  
**Lembar Kuesioner**

**KATA PENGANTAR KUESIONER**

Perihal : Permohonan Pengisian Kuesioner

Judul Penelitian : Pengaruh Beban Kerja, Kelelahan Kerja, Dan Keselamatan dan Kesehatan Kerja (K3) Terhadap Produktivitas Kerja Karyawan Produksi Bagian Tenun PT. Ahmadaris Tegal.

Kepada Yth,  
Bapak/Ibu/Sdr Responden  
Di Tempat

Dengan Hormat,

Dalam rangka menyelesaikan penelitian, saya Mahasiswa Fakultas Ekonomi dan Bisnis Universitas Pancasakti Tegal, mohon partisipasi dari Bapak/Ibu/Sdr untuk mengisi kuesioner yang telah kami sediakan.

Adapun data yang kami minta adalah sesuai dengan kondisi yang dirasakan Sdr selama ini. Kami akan menjaga kerahasiaan karena data ini hanya untuk kepentingan penelitian. Setiap jawaban yang diberikan merupakan bantuan yang tidak ternilai harganya bagi penelitian ini.

Atas perhatian dan bantuannya, kami mengucapkan terima kasih.

Tegal, 28 Oktober 2023



Rizqi Amelia

## **KARAKTERISTIK RESPONDEN DAN PETUNJUK PENGISIAN**

### A. Karakteristik Responden

Mohon beri tanda check list (√) pada salah satu kotak yang mewakili identitas diri Bapak/Ibu/Saudara/i.

1. Jenis Kelamin

Laki-laki                       Perempuan

2. Usia

20-30 tahun                       30-40 tahun                       > 40 tahun

3. Pendidikan

SD                                       SMP                                       SMA/SMK

4. Lama Kerja

1-5 tahun                       6-10 tahun                       >10 tahun

### B. Petunjuk Pengisian

1. Isilah identitas secara lengkap
2. Bacalah pertanyaan dengan teliti sebelum menjawab.
3. Berilah jawaban sesuai dengan kondisi yang bapak/Ibu/Saudara rasakan agar diperoleh data yang benar, akurat dan objektif.
4. Isilah pernyataan dibawah ini dengan memberi tanda (√) pada kolom yang telah tersedia :

STS (Skor 1) : Sangat tidak setuju

TS (Skor 2) : Tidak setuju

N (Skor 3) : Netral

S (Skor 4) : Setuju

SS (Skor 5) : Sangat setuju



## DAFTAR PERNYATAAN KUESIONER

### 1. Variabel Produktivitas Kerja(Y)

No	Pernyataan	Tanggapan				
		STS	TS	N	S	SS
1.	Saya memiliki keterampilan yang cukup baik dalam menjalankan pekerjaannya.					
2.	Saya menjalankan pekerjaannya secara professional.					
3.	Saya mempunyai motivasi untuk meningkatkan hasil yang maksimal.					
4.	Saya bertanggung jawab dengan hasil pekerjaan saya.					
5.	Saya memiliki etos kerja yang tinggi untuk meningkatkan produktivitas perusahaan.					
6.	Penilaian kerja saya diukur dari kuantitas target pekerjaan					
7	Saya mampu menghadapi tantang pekerjaan dengan tingkat kesulitan yang tinggi					
8	Saya memiliki harapan yang tinggi terhadap perusahaan agar dapat memiliki keunggulan bersaing yang tangguh					
9	Kualitas kerja menjadi prioritas utama dalam mengukur hasil kerja saya					
10	Saya sangat menjaga ketepatan waktu dan kesempurnaan hasil pekerjaan					

## 2. Variabel Beban Kerja (X1)

No	Pernyataan	Tanggapan				
		STS	TS	N	S	SS
1.	Beban kerja yang diberikan secara berlebihan dapat mempengaruhi kondisi fisik saya.					
2.	Usia mempengaruhi tingkat kelelahan saya dalam menyelesaikan pekerjaan.					
3.	Beban kerja yang diberikan secara berlebihan dapat mempengaruhi psikis saya.					
4.	Kurangnya pengarahan atau motivasi dapat mempengaruhi psikis saya.					
5.	Lingkungan kerja yang nyaman sangat mendukung kelancaran pekerjaan saya.					
6.	Lingkungan kerja yang kotor dan tidak kondusif dapat meningkatkan beban kerja saya.					
7.	Saya mampu menyelesaikan pekerjaan menggunakan alat yang telah disediakan oleh perusahaan.					
8.	Ketersediaan alat dan sarana bantu kerja yang terbatas dapat meningkatkan beban kerja saya.					
9.	Saya mampu menyelesaikan pekerjaannya sesuai dengan aturan waktu kerja yang telah ditetapkan oleh perusahaan.					
10.	Penggajian yang ditetapkan oleh perusahaan secara teratur akan meningkatkan kinerja saya dalam pencapaian target.					

### 3. Variabel Kelelahan Kerja(X2)

No	Pernyataan	Tanggapan				
		STS	TS	N	S	SS
1.	Saya merasakan bosan karena pekerjaan yang dilakukan secara berulang dan tidak ada variasinya.					
2.	Saya mudah lelah dan mengantuk saat bekerja.					
3.	Saya tidak cekatan dalam bekerja akibat dari beban pekerjaan yang berlebihan.					
4.	Saya menjadi mudah lupa karena beban pekerjaan yang terlalu banyak.					
5.	Saya merasa kelelahan karena jam kerja yang ditentukan terlalu lama.					
6.	Menurunnya kondisi kesehatan saya akibat jam kerja yang terlalu berlebihan					
7.	Suhu udara di ruang kerja sangat panas sehingga membuat saya mudah lelah.					
8.	Penerangan di ruang kerja terlalu gelap sehingga saya harus lebih teliti dalam bekerja.					
9.	Kebisingan di ruang kerja akibat mesin membuat saya terganggu dan mudah lelah.					
10.	Saya memiliki tanggung jawab akan target pekerjaan yang terlalu tinggi, sehingga harus selalu cepat dalam menyelesaikan tugas yang diberikan.					

#### 4. Variabel Keselamatan dan Kesehatan Kerja(X3)

No	Pernyataan	Tanggapan				
		STS	TS	N	S	SS
1.	Penataan dan penyimpanan barang yang kurang diperhitungkan keamanannya.					
2.	Saya menjadi tidak nyaman saat bekerja karena ruang kerja yang ditempati sangat sesak.					
3.	Sirkulasi udara di ruang kerja kurang baik untuk kesehatan.					
4.	Sirkulasi udara di ruang kerja terlalu berdebu.					
5.	Kurangnya pengaturan dan penggunaan sumber cahaya dalam ruang kerja dapat menghambat kinerja saya.					
6.	Ruang kerja yang terlalu gelap sehingga dapat menghambat pekerjaan saya.					
7.	Rusaknya pengaman peralatan kerja dapat berisiko tinggi terhadap keselamatan saya.					
8.	Penggunaan mesin atau alat kerja yang pengamanannya kurang baik dapat berisiko tinggi terhadap keselamatan saya.					
9.	Stamina tubuh yang tidak stabil dapat mengganggu saya saat bekerja.					
10.	Saya memiliki kepribadian yang cukup rapuh.					

**Lampiran 4**  
**Data Uji Validitas Dan Reliabilitas Variabel Produktivitas Kerja**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	5	5	5	5	5	5	5	5	5	5	50
2	5	5	5	3	4	5	5	5	5	5	47
3	4	5	5	5	4	5	5	5	4	5	47
4	5	5	4	5	5	5	5	5	5	5	49
5	2	2	2	2	2	2	2	2	2	2	20
6	4	4	4	5	4	4	5	5	5	5	45
7	5	5	5	5	4	4	5	5	5	5	48
8	4	5	5	5	4	4	4	4	4	4	43
9	4	5	5	5	5	5	5	4	5	5	48
10	4	5	5	4	5	5	5	4	5	5	47
11	5	5	5	5	5	5	4	5	5	5	49
12	4	4	5	5	3	4	4	5	4	4	42
13	5	4	5	4	5	4	5	4	4	5	45
14	3	5	5	5	4	5	3	4	3	4	41
15	4	4	5	4	4	4	4	4	4	4	41
16	3	4	5	5	3	5	4	3	5	3	40
17	4	4	5	5	4	4	5	3	4	5	43
18	4	4	5	4	4	4	5	3	4	5	42
19	4	5	5	5	4	4	5	5	5	4	46
20	3	3	4	5	4	4	4	4	4	4	39
21	4	4	4	5	4	3	5	4	4	3	40
22	5	5	5	5	4	4	5	4	5	4	46
23	4	5	4	4	4	4	5	5	5	4	44
24	4	3	4	3	4	4	4	4	4	4	38
25	5	5	3	3	5	4	3	4	5	4	41
26	5	4	4	4	4	3	2	4	4	4	38
27	5	5	4	4	5	5	4	5	4	4	45
28	4	4	3	3	4	3	4	4	5	4	38
29	4	4	4	4	4	4	4	4	4	3	39
30	5	4	4	3	4	3	4	5	4	3	39

**Lampiran 5**  
**Data Uji Validitas Dan Reliabilitas Variabel Beban Kerja**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	4	3	5	4	4	4	5	5	4	4	42
2	4	4	4	5	4	5	5	4	4	5	44
3	3	4	5	5	3	5	5	5	5	5	45
4	4	4	5	4	5	5	4	5	5	4	45
5	2	2	2	2	2	2	2	2	2	2	20
6	4	4	4	4	3	5	4	5	4	4	41
7	5	5	4	5	5	5	5	5	5	5	49
8	5	5	5	4	5	4	5	5	5	5	48
9	4	4	5	5	5	5	5	4	5	4	46
10	4	5	5	5	4	3	5	5	5	4	45
11	3	3	4	5	3	3	4	4	3	4	36
12	5	4	5	5	5	5	4	4	4	4	45
13	5	4	5	4	5	5	4	5	5	5	47
14	5	5	4	4	4	4	5	4	5	5	45
15	5	5	5	5	5	5	4	4	5	5	48
16	3	5	4	4	3	5	5	3	5	3	40
17	3	3	4	4	2	5	3	3	4	3	34
18	4	3	3	3	3	3	3	4	4	3	33
19	4	4	5	4	5	3	3	4	5	4	41
20	3	4	5	3	4	4	4	4	5	5	41
21	4	4	5	4	4	3	4	3	3	4	38
22	4	5	4	4	4	4	5	3	4	3	40
23	5	4	4	4	4	4	5	4	4	5	43
24	3	3	5	5	3	4	3	4	4	3	37
25	5	4	4	4	4	3	4	4	4	4	40
26	4	4	4	5	3	4	4	5	4	4	41
27	5	4	4	4	4	5	4	5	3	3	41
28	4	4	5	5	4	5	5	4	4	5	45
29	4	3	3	4	5	3	4	5	3	4	38
30	4	3	3	3	3	4	3	4	3	3	33

**Lampiran 6**  
**Data Uji Validitas Dan Reliabilitas Variabel Kelelahan Kerja**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	4	4	4	4	3	4	5	4	4	4	40
2	4	4	3	3	4	4	5	4	4	5	40
3	5	4	3	4	4	4	4	3	4	4	39
4	5	3	5	3	4	5	4	4	5	3	41
5	2	2	2	2	2	2	2	2	2	2	20
6	5	4	3	3	5	5	3	5	5	4	42
7	5	4	3	4	4	3	4	4	5	5	41
8	5	5	4	4	4	4	4	5	4	4	43
9	4	4	4	3	4	3	5	4	4	5	40
10	5	4	4	4	4	4	4	4	4	4	41
11	5	4	5	3	4	4	4	3	4	4	40
12	4	5	3	4	4	3	5	4	4	5	41
13	4	4	4	4	5	4	4	4	5	4	42
14	4	4	5	4	3	3	4	4	5	5	41
15	3	5	4	5	4	4	4	3	5	4	41
16	4	5	4	3	4	4	4	4	4	5	41
17	5	4	4	4	4	4	4	4	5	4	42
18	4	4	5	4	4	4	5	4	4	4	42
19	3	4	3	2	3	3	3	3	4	3	31
20	5	5	5	5	5	5	5	5	5	5	50
21	4	4	3	4	3	4	4	4	5	4	39
22	4	4	3	4	4	4	5	5	4	4	41
23	5	5	5	4	4	4	5	5	5	5	47
24	5	5	4	5	5	5	5	5	4	5	48
25	5	4	4	3	4	4	4	4	5	4	41
26	4	4	4	3	4	3	5	3	4	5	39
27	4	5	3	4	5	5	4	4	5	4	43
28	5	3	3	3	4	4	4	5	5	4	40
29	4	4	4	3	4	5	4	3	3	3	37
30	3	3	3	2	3	3	3	2	3	4	29

**Lampiran 7**  
**Data Uji Validitas Dan Reliabilitas Variabel Keselamatan dan Kesehatan**  
**Kerja (K3)**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	3	4	3	3	3	4	4	4	3	4	35
2	4	3	3	2	3	3	4	4	3	3	32
3	4	4	5	4	4	4	5	5	4	4	43
4	3	3	3	3	4	4	3	3	3	3	32
5	2	2	2	2	2	2	2	2	2	2	20
6	5	5	4	5	5	4	5	5	4	5	47
7	3	3	3	2	4	3	3	3	3	3	30
8	4	3	3	4	5	3	4	5	3	4	38
9	4	3	4	3	4	4	3	3	3	4	35
10	4	4	4	3	3	4	4	4	4	3	37
11	4	3	4	4	3	4	4	4	4	4	38
12	3	3	2	2	2	3	3	3	2	3	26
13	3	4	3	4	4	3	4	3	3	4	35
14	3	3	4	4	3	3	4	4	4	5	37
15	3	3	3	3	4	3	3	3	3	4	32
16	4	4	5	4	4	3	4	4	3	4	39
17	4	5	4	3	4	4	4	4	3	4	39
18	5	5	4	3	5	5	5	5	4	5	46
19	4	3	3	3	3	3	3	3	3	3	31
20	3	4	5	3	5	5	4	4	3	3	39
21	4	4	3	4	3	3	4	4	3	4	36
22	5	4	4	4	5	5	5	4	4	4	44
23	3	3	4	3	4	3	3	3	3	3	32
24	4	4	5	4	4	4	5	5	5	5	45
25	4	4	4	4	3	4	3	4	4	4	38
26	4	5	5	5	5	5	5	5	4	5	48
27	5	5	4	4	4	4	4	4	3	3	40
28	4	3	4	3	4	4	4	3	4	4	37
29	3	3	3	2	3	3	2	3	2	3	27
30	4	3	3	3	3	4	4	3	4	3	34



**Lampiran 8**  
**Data Uji Variabel Produktivitas Kerja**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	5	5	3	3	5	4	5	5	4	4	43
2	4	5	4	5	4	5	5	4	4	5	45
3	3	5	4	4	4	4	4	5	3	4	40
4	5	4	5	4	5	5	4	3	4	3	42
5	5	5	5	4	4	5	4	4	4	5	45
6	4	4	4	4	3	4	5	4	3	5	40
7	4	4	4	4	5	4	5	4	4	4	42
8	4	4	3	4	4	4	4	4	5	4	40
9	5	5	4	5	4	4	4	4	5	4	44
10	4	4	4	5	5	5	5	4	4	3	43
11	3	4	3	3	5	4	5	5	4	4	40
12	4	4	3	5	4	5	4	5	5	4	43
13	5	4	5	4	5	4	5	3	4	5	44
14	5	3	3	4	4	4	3	4	3	3	36
15	4	3	4	5	3	5	5	4	4	4	41
16	4	4	5	5	4	5	5	5	4	4	45
17	4	5	5	4	4	3	4	5	4	4	42
18	5	4	4	5	5	4	5	5	3	3	43
19	5	4	5	4	4	4	5	4	4	5	44
20	4	5	4	5	4	3	5	5	5	4	44
21	4	3	4	4	4	4	5	4	5	5	42
22	5	4	4	5	4	5	4	4	5	4	44
23	4	5	3	5	5	4	4	5	5	5	45
24	5	4	5	3	4	3	4	3	4	4	39
25	5	5	3	4	4	4	5	5	5	3	43
26	5	3	4	3	3	4	5	4	5	4	40
27	4	4	5	4	4	5	4	5	5	5	45
28	4	5	4	4	5	5	5	4	4	5	45
29	4	5	4	5	5	5	4	5	5	4	46
30	4	5	5	4	5	5	5	5	4	4	46
31	5	4	4	4	4	4	5	4	4	5	43
32	5	4	5	5	5	5	5	5	4	4	47
33	5	5	5	4	5	5	5	5	3	4	46
34	4	4	5	4	4	4	4	4	4	5	42
35	5	4	4	4	3	4	3	5	3	3	38
36	5	5	4	4	5	4	5	4	4	3	43
37	3	4	4	3	4	5	5	4	5	4	41
38	4	4	5	5	5	5	5	5	4	4	46

39	4	5	5	5	4	4	3	5	4	3	42
40	5	4	4	4	5	4	4	4	4	5	43
41	5	4	5	4	4	5	5	5	5	5	47
42	4	5	4	5	5	5	4	3	4	4	43
43	5	4	5	5	5	4	5	5	4	5	47
44	5	5	5	4	4	3	5	5	5	4	45
45	5	5	5	4	5	5	5	4	5	5	48
46	5	4	5	5	5	4	5	4	5	4	46
47	4	5	4	5	5	4	3	5	4	4	43
48	4	5	5	5	5	4	5	4	4	5	46
49	5	5	3	5	5	4	5	5	4	4	45
50	5	3	4	4	4	5	5	5	4	4	43
51	5	4	5	4	4	5	4	4	5	5	45
52	4	4	5	4	4	5	4	4	5	5	44
53	5	3	3	4	4	4	5	4	4	3	39
54	5	4	4	4	5	5	5	5	5	5	47
55	4	3	3	4	4	4	4	4	5	5	40
56	4	3	4	5	5	4	3	5	4	4	41
57	5	4	5	5	3	5	4	5	4	4	44
58	5	5	5	4	4	4	3	5	3	3	41
59	4	5	4	4	4	5	5	5	4	4	44
60	4	4	5	3	4	3	5	4	4	3	39
61	4	5	4	3	5	4	4	4	5	4	42
62	5	4	4	4	5	5	4	4	5	4	44
63	5	4	4	3	4	4	5	5	4	5	43
64	5	5	5	4	5	5	4	4	5	4	46
65	5	3	4	4	5	4	4	5	4	4	42
66	5	5	4	4	5	5	5	5	5	5	48
67	4	5	3	3	4	4	5	5	4	3	40
68	3	3	5	5	4	4	5	4	4	4	41
69	4	4	4	5	5	4	5	4	5	4	44
70	4	5	5	5	4	4	4	4	5	5	45
71	4	3	3	4	4	4	4	5	3	4	38
72	5	5	4	5	4	5	5	4	4	4	45
73	4	4	4	5	4	5	4	3	5	5	43
74	4	4	5	4	5	5	4	5	4	4	44
75	5	5	4	5	5	5	4	5	4	4	46
76	4	4	5	5	5	4	5	4	4	3	43
77	5	4	5	4	5	4	4	5	5	4	45
78	5	4	4	4	4	5	5	4	5	5	45
79	5	5	5	5	4	5	4	5	3	3	44
80	4	5	5	5	5	3	5	5	4	4	45
81	5	5	4	4	5	4	5	4	5	5	46

82	3	5	4	5	5	5	5	5	5	4	46
83	4	5	5	4	4	3	4	4	4	3	40
84	4	4	3	4	5	4	3	3	3	4	37
85	5	4	5	5	4	4	5	5	5	5	47
86	3	5	5	5	4	5	4	4	4	4	43
87	4	5	4	4	5	5	4	5	5	5	46
88	4	5	4	5	4	4	4	5	5	4	44
89	3	4	4	5	3	4	5	4	4	4	40
90	4	5	3	5	4	4	5	5	3	3	41
91	4	5	4	5	5	4	5	4	4	4	44
92	5	5	5	4	5	3	4	5	3	4	43
93	5	4	4	5	4	4	3	5	4	4	42
94	5	4	3	5	5	4	5	4	4	5	44
95	5	3	4	4	5	5	4	4	5	4	43
96	4	5	3	4	5	4	3	4	5	4	41
97	4	4	5	5	4	3	4	4	4	5	42

**Lampiran 9**  
**Data Uji Variabel Beban Kerja**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	4	5	4	3	3	5	4	5	4	5	42
2	5	4	4	3	4	4	5	5	5	4	43
3	4	4	4	4	3	4	4	4	5	4	40
4	4	2	5	5	5	4	4	3	3	4	39
5	5	5	5	4	4	5	4	4	5	5	46
6	5	4	3	5	4	4	3	3	4	5	40
7	4	4	4	5	4	4	4	5	3	4	41
8	3	4	4	5	5	4	3	3	5	4	40
9	5	5	4	4	5	5	3	4	4	3	42
10	4	5	4	5	4	3	5	5	4	3	42
11	4	3	5	4	4	3	4	4	4	5	40
12	4	3	5	4	4	3	5	4	4	4	40
13	4	4	5	5	5	5	3	4	3	5	43
14	4	5	3	5	4	5	3	3	4	3	39
15	5	4	3	4	4	4	4	4	4	5	41
16	4	5	5	5	5	4	5	3	3	3	42
17	5	4	4	5	3	3	3	5	4	5	41
18	5	5	5	5	4	4	5	3	3	4	43
19	4	4	4	5	3	3	5	5	5	4	42
20	5	4	5	5	4	5	4	4	3	4	43
21	5	5	4	5	5	4	4	4	4	4	44
22	4	5	5	5	4	4	4	4	5	5	45
23	5	4	5	5	4	4	4	5	4	4	44
24	4	4	3	4	4	3	4	4	3	4	37
25	5	4	4	4	4	3	4	4	5	4	41
26	5	4	5	3	3	4	4	3	5	5	41
27	4	4	5	4	4	4	5	5	4	4	43
28	5	3	4	5	4	5	4	4	4	4	42
29	5	5	5	5	3	5	4	4	5	5	46
30	5	4	3	4	4	5	5	5	5	5	45
31	4	5	5	5	4	4	4	5	4	4	44
32	5	5	5	4	5	3	4	4	4	5	44
33	5	4	5	4	4	4	5	4	4	4	43
34	5	5	4	5	5	4	3	3	5	5	44
35	4	4	4	4	5	3	4	4	4	3	39
36	3	4	4	4	5	5	5	5	3	4	42
37	5	4	4	3	3	5	5	5	3	5	42
38	4	5	5	4	4	4	5	4	4	5	44

39	4	3	4	4	5	5	4	5	5	4	43
40	5	4	4	5	5	4	3	4	4	3	41
41	4	4	5	5	4	5	5	4	4	3	43
42	5	3	5	4	4	5	5	5	5	4	45
43	5	5	5	4	4	5	5	4	5	4	46
44	4	5	5	5	4	4	5	5	4	3	44
45	5	3	5	5	5	4	5	4	4	4	44
46	5	4	5	5	4	5	3	5	4	5	45
47	5	5	5	4	3	3	4	4	5	4	42
48	4	5	4	4	4	5	4	5	4	4	43
49	5	4	4	5	3	4	5	4	5	5	44
50	5	4	4	5	4	4	4	4	3	4	41
51	5	3	5	5	4	4	5	4	3	5	43
52	4	4	5	3	4	5	5	3	5	4	42
53	5	4	4	4	3	3	4	5	4	4	40
54	5	5	5	4	5	5	5	4	3	5	46
55	4	4	4	4	4	3	5	3	3	4	38
56	4	4	4	4	4	4	4	4	4	3	39
57	5	4	4	5	4	4	4	4	4	3	41
58	4	4	4	4	4	4	5	4	3	4	40
59	4	3	4	4	4	5	5	4	5	3	41
60	4	4	4	4	4	3	4	5	3	4	39
61	4	4	3	4	5	4	4	4	4	4	40
62	5	5	5	5	3	5	4	4	5	4	45
63	4	3	5	4	4	4	5	5	4	5	43
64	5	4	5	5	4	4	4	5	5	3	44
65	4	4	5	4	4	4	4	4	4	4	41
66	5	4	5	5	4	4	5	5	5	4	46
67	5	5	4	5	4	4	3	4	3	3	40
68	3	5	4	4	3	3	4	4	4	5	39
69	4	5	5	4	4	4	4	5	3	4	42
70	5	5	4	4	4	5	4	4	3	4	42
71	4	4	4	3	3	4	4	4	5	4	39
72	4	5	4	4	4	5	5	3	4	5	43
73	5	4	5	4	5	5	5	4	4	3	44
74	5	3	5	5	5	3	4	4	4	3	41
75	4	4	5	4	4	5	4	5	3	4	42
76	5	5	4	4	5	4	5	3	5	3	43
77	4	5	5	5	4	5	5	5	4	3	45
78	5	4	4	4	3	5	5	5	4	5	44
79	5	5	4	5	5	5	5	4	3	4	45
80	3	5	5	5	4	3	5	5	4	3	42
81	5	5	4	3	5	3	5	5	4	4	43

82	4	5	3	5	5	4	4	5	4	5	44
83	4	4	4	5	3	4	4	4	4	4	40
84	4	3	4	5	5	4	4	4	4	2	39
85	5	4	5	5	4	4	5	5	5	5	47
86	5	4	5	4	5	5	5	5	5	3	46
87	3	4	4	4	5	5	5	5	4	4	43
88	5	4	5	4	4	4	4	4	4	5	43
89	5	4	5	5	3	4	4	5	4	4	43
90	5	3	4	5	4	5	3	4	4	4	41
91	4	5	4	4	4	3	5	5	4	4	42
92	5	4	4	5	4	4	5	4	5	5	45
93	5	3	4	4	4	4	5	4	4	3	40
94	4	4	4	4	5	3	5	3	5	4	41
95	4	5	4	4	4	3	4	4	4	4	40
96	4	3	4	5	5	4	3	5	5	4	42
97	5	4	5	3	5	4	4	4	3	4	41

**Lampiran 10**  
**Data Uji Variabel Kelelahan Kerja**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	4	4	4	5	4	4	4	5	4	4	42
2	3	5	4	4	3	4	5	5	5	5	43
3	4	5	4	4	5	4	4	4	4	5	43
4	4	4	4	5	2	3	4	4	5	4	39
5	5	4	5	4	4	4	4	5	4	4	43
6	4	5	5	5	3	5	4	3	4	4	42
7	4	4	5	5	3	5	5	4	5	5	45
8	5	5	4	4	4	4	5	4	4	3	42
9	5	3	4	3	4	4	5	5	5	3	41
10	5	5	5	4	4	4	5	4	3	4	43
11	3	3	4	4	5	4	3	4	4	4	38
12	3	3	5	5	5	5	4	3	4	3	40
13	5	4	5	4	5	4	5	3	4	5	44
14	4	3	4	4	4	3	3	4	3	3	35
15	4	3	4	5	3	5	5	4	4	5	42
16	4	4	5	5	4	3	5	5	4	4	43
17	4	4	5	4	4	3	4	4	4	4	40
18	5	3	4	4	5	4	5	3	3	5	41
19	4	4	5	4	5	5	5	4	4	5	45
20	4	4	5	4	4	5	5	5	5	4	45
21	4	3	4	4	4	4	5	5	4	3	40
22	5	4	5	5	3	5	3	3	4	4	41
23	4	5	4	3	3	4	4	4	4	5	40
24	3	4	3	4	4	5	3	5	5	4	40
25	3	4	5	3	5	4	5	3	5	5	42
26	5	3	5	3	4	5	4	4	5	4	42
27	4	4	5	5	5	4	4	5	4	5	45
28	4	4	3	4	4	5	5	4	4	5	42
29	4	5	4	5	5	4	4	3	5	4	43
30	4	5	5	4	5	4	5	5	5	5	47
31	5	4	4	4	4	5	5	4	4	5	44
32	5	4	5	5	5	5	6	5	4	4	48
33	5	5	5	4	5	5	5	4	4	5	47
34	4	4	5	4	4	5	5	4	4	5	44
35	5	3	4	5	3	4	5	4	2	4	39
36	5	5	4	4	4	4	4	5	4	3	42
37	3	4	5	5	5	3	5	4	3	5	42
38	4	4	5	3	4	4	5	4	4	4	41
39	4	3	4	5	4	4	5	5	4	4	42
40	5	4	4	4	5	3	3	4	4	5	41

41	5	4	3	3	5	5	5	5	5	5	45
42	4	5	4	5	5	5	4	3	5	4	44
43	5	4	5	3	4	5	5	5	5	5	46
44	5	5	4	5	5	5	5	5	4	4	47
45	5	5	5	4	5	5	5	4	5	5	48
46	5	4	5	5	5	4	5	4	5	5	47
47	5	4	3	3	3	4	5	5	5	4	41
48	4	5	5	5	5	4	4	5	4	3	44
49	5	5	3	5	4	5	5	5	3	4	44
50	5	3	4	4	4	4	4	4	4	4	40
51	4	4	5	4	4	5	4	3	5	4	42
52	4	4	5	5	4	4	4	3	5	3	41
53	3	4	3	3	4	5	5	4	4	3	38
54	4	4	4	4	5	4	5	5	4	5	44
55	4	3	4	4	4	5	4	4	5	5	42
56	4	5	5	4	4	4	3	3	5	2	39
57	3	3	4	5	3	5	4	5	4	4	40
58	4	5	4	5	4	4	3	3	3	4	39
59	4	5	5	4	4	3	4	4	5	4	42
60	3	4	3	3	4	4	5	4	4	3	37
61	4	5	5	3	4	4	4	5	3	4	41
62	4	4	4	4	5	5	4	4	4	4	42
63	4	4	5	5	4	4	5	5	4	5	45
64	4	4	5	4	3	5	4	4	5	4	42
65	5	3	4	4	5	5	5	5	4	4	44
66	5	4	4	4	5	5	4	4	5	5	45
67	4	5	5	5	5	5	3	4	4	3	43
68	3	3	5	4	5	4	4	5	5	4	42
69	4	3	5	5	5	5	5	5	5	3	45
70	5	4	5	5	4	4	4	4	4	3	42
71	3	4	3	2	4	4	4	5	4	4	37
72	4	4	4	5	4	4	5	4	3	4	41
73	4	3	4	4	4	5	4	4	5	5	42
74	3	3	5	3	5	5	4	5	5	4	42
75	4	5	4	5	5	3	5	3	4	3	41
76	4	4	5	5	5	4	5	4	4	4	44
77	5	4	4	4	4	4	5	4	5	4	43
78	3	4	5	5	5	5	3	5	4	3	42
79	4	5	4	4	4	3	4	5	4	4	41
80	4	4	4	4	4	4	5	5	5	4	43
81	4	5	5	5	5	5	4	4	4	3	44
82	5	5	3	4	3	4	5	5	4	5	43
83	4	5	4	5	5	5	4	4	4	4	44
84	4	4	4	3	4	3	4	4	4	4	38
85	4	5	5	5	5	4	4	4	4	5	45



86	5	5	4	4	4	4	5	4	5	5	45
87	4	4	5	4	5	3	5	5	5	4	44
88	4	5	4	4	4	5	4	3	3	4	40
89	4	4	4	5	4	4	5	4	4	4	42
90	4	4	3	4	4	4	5	5	4	3	40
91	4	5	4	5	5	4	4	4	4	4	43
92	5	5	5	4	4	3	4	5	5	4	44
93	5	5	4	5	4	4	3	5	4	5	44
94	4	4	4	5	5	4	4	4	4	4	42
95	5	3	3	4	5	4	5	4	5	3	41
96	4	5	3	4	4	5	4	4	5	4	42
97	4	4	4	5	4	4	3	5	4	5	42

**Lampiran 11**  
**Data Uji Variabel Keselamatan dan Kesehatan Kerja (K3)**

Responden	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9	Item 10	Total
1	4	5	5	4	3	4	5	3	4	4	41
2	4	4	4	5	5	4	5	5	5	3	44
3	5	4	3	5	3	4	4	3	4	4	39
4	4	4	5	4	4	5	3	3	4	4	40
5	5	5	4	5	5	5	5	5	4	5	48
6	4	5	4	5	4	5	4	5	2	3	41
7	3	4	4	4	4	4	5	5	3	4	40
8	5	3	5	4	5	4	4	4	3	4	41
9	3	4	5	5	4	5	4	4	4	3	41
10	5	4	4	3	4	3	4	4	5	4	40
11	4	3	4	3	4	4	4	4	4	4	38
12	3	4	4	4	4	4	5	3	5	5	41
13	5	4	5	4	4	5	5	4	4	5	45
14	4	5	3	5	4	3	3	3	4	3	37
15	4	4	3	4	4	5	5	4	3	4	40
16	5	4	5	3	5	5	4	3	4	5	43
17	5	4	3	5	3	3	5	4	5	5	42
18	4	5	5	4	4	4	4	4	4	4	42
19	5	4	5	3	3	4	5	5	4	5	43
20	4	5	5	4	4	5	4	4	5	4	44
21	5	5	4	5	5	4	3	4	4	4	43
22	4	4	5	4	5	5	4	4	5	5	45
23	5	5	4	5	4	5	4	3	5	5	45
24	4	4	3	3	4	3	4	5	4	4	38
25	4	5	3	5	5	3	5	5	4	5	44
26	4	4	5	5	4	5	4	3	4	3	41
27	4	4	5	4	4	4	3	5	5	4	42
28	5	3	4	5	4	4	5	5	4	4	43
29	4	5	5	4	5	5	5	4	5	5	47
30	5	4	5	4	5	3	4	5	5	5	45
31	5	4	5	5	5	5	3	5	5	4	46
32	3	5	5	4	5	5	4	5	5	5	46
33	4	5	4	5	4	5	4	4	5	5	45
34	4	4	5	4	5	4	3	5	5	4	43
35	3	3	4	4	5	3	4	4	4	4	38
36	4	4	5	4	4	4	5	5	4	5	44
37	4	3	5	5	5	5	5	4	4	5	45
38	5	3	5	4	5	4	4	5	5	4	44

39	4	4	5	5	4	4	4	4	5	5	44
40	4	5	5	4	5	5	4	4	3	3	42
41	5	4	5	5	4	4	5	5	4	4	45
42	4	4	4	4	5	4	5	4	5	5	44
43	3	5	5	4	5	4	4	5	5	5	45
44	4	4	5	4	5	5	4	4	4	4	43
45	5	4	5	3	5	4	5	5	5	4	45
46	4	5	4	4	4	5	4	4	5	5	44
47	4	5	5	3	5	4	5	4	5	4	44
48	5	4	5	4	4	5	4	5	4	5	45
49	5	5	4	4	4	4	4	4	5	4	43
50	5	4	4	3	4	5	4	3	4	5	41
51	4	5	5	5	3	4	3	4	4	5	42
52	3	4	4	4	5	5	4	4	5	4	42
53	4	4	4	5	3	5	3	3	5	5	41
54	4	5	5	4	5	5	4	4	4	4	44
55	4	3	5	4	5	4	5	2	4	3	39
56	5	4	4	4	3	4	4	3	5	4	40
57	4	4	5	3	5	5	4	4	4	4	42
58	5	4	4	4	4	3	3	5	4	3	39
59	5	5	4	4	3	4	3	3	4	5	40
60	4	4	4	4	4	4	4	4	5	4	41
61	4	3	4	3	5	4	5	4	5	4	41
62	5	4	4	3	4	4	5	5	4	4	42
63	4	4	3	4	4	4	4	5	4	5	41
64	5	3	5	4	3	5	3	5	5	5	43
65	4	3	4	3	5	5	5	3	4	4	40
66	5	5	4	5	3	5	5	5	5	3	45
67	4	4	4	4	5	4	4	4	4	4	41
68	4	5	5	5	4	5	3	4	5	3	43
69	4	3	3	4	4	4	4	5	5	4	40
70	5	3	4	3	5	4	4	5	4	4	41
71	4	4	4	5	4	4	5	4	4	4	42
72	5	4	5	3	5	4	3	3	5	5	42
73	4	5	5	4	4	5	5	4	4	4	44
74	4	5	4	4	3	4	5	4	4	5	42
75	4	5	3	3	4	5	5	5	5	4	43
76	5	4	4	4	4	5	4	4	5	5	44
77	4	5	4	4	5	4	5	3	3	4	41
78	3	4	5	5	5	5	5	5	4	4	45
79	5	4	4	5	5	5	4	3	5	5	45
80	4	4	5	5	5	4	4	5	3	4	43
81	3	5	4	4	3	4	5	5	5	4	42

82	5	5	4	5	5	5	3	5	4	4	45
83	4	4	4	3	3	5	4	4	5	5	41
84	4	4	4	4	2	4	4	3	4	5	38
85	5	5	5	5	5	4	5	5	4	5	48
86	5	3	4	5	3	5	5	5	5	5	45
87	3	4	4	4	4	5	4	5	5	4	42
88	4	5	4	5	4	3	4	4	4	4	41
89	4	4	5	4	4	4	4	4	3	4	40
90	5	3	4	4	5	4	4	3	5	3	40
91	4	4	4	4	3	3	5	5	5	4	41
92	4	4	5	4	4	4	3	4	4	4	40
93	5	4	5	5	5	4	4	4	5	3	44
94	5	4	4	4	4	4	5	4	5	5	44
95	4	3	4	4	5	5	5	3	5	5	43
96	4	3	4	5	4	4	3	5	4	4	40
97	4	4	5	3	4	4	4	3	4	4	39

**Lampiran 12**  
**Data Uji MSI Produktivitas Kerja**

	1	2	3	4	5	6	7	8	9	10	total
1	2,326	3,556	2,193	3,679	2,387	2,362	2,178	3,807	3,664	2,300	28,450
2	1,000	2,221	2,193	3,679	1,000	2,362	3,545	2,373	2,303	2,300	22,974
3	2,326	3,556	1,000	3,679	2,387	2,362	3,545	3,807	1,000	1,000	24,661
4	2,326	3,556	2,193	3,679	3,824	2,362	3,545	2,373	2,303	2,300	28,458
5	3,740	3,556	3,480	2,302	3,824	1,000	2,178	3,807	1,000	2,300	27,187
6	3,740	2,221	2,193	3,679	2,387	2,362	1,000	3,807	2,303	2,300	25,992
7	3,740	2,221	1,000	3,679	3,824	2,362	3,545	2,373	2,303	3,635	28,681
8	3,740	1,000	2,193	2,302	3,824	3,764	2,178	2,373	3,664	2,300	27,337
9	2,326	3,556	1,000	2,302	3,824	2,362	1,000	2,373	3,664	2,300	24,705
10	2,326	2,221	3,480	3,679	2,387	1,000	2,178	2,373	2,303	3,635	25,581
11	1,000	2,221	1,000	1,000	3,824	2,362	3,545	3,807	2,303	2,300	23,362
12	2,326	2,221	1,000	3,679	2,387	3,764	2,178	3,807	3,664	2,300	27,326
13	3,740	2,221	3,480	2,302	3,824	2,362	3,545	1,000	2,303	3,635	28,411
14	3,740	1,000	1,000	2,302	2,387	2,362	1,000	2,373	1,000	1,000	18,164
15	2,326	1,000	2,193	3,679	1,000	3,764	3,545	2,373	2,303	2,300	24,481
16	2,326	2,221	3,480	3,679	2,387	3,764	3,545	3,807	2,303	2,300	29,811
17	2,326	3,556	3,480	2,302	2,387	1,000	2,178	3,807	2,303	2,300	25,638
18	3,740	2,221	2,193	3,679	3,824	2,362	3,545	3,807	1,000	1,000	27,370
19	3,740	2,221	3,480	2,302	2,387	2,362	3,545	2,373	2,303	3,635	28,347
20	2,326	3,556	2,193	3,679	2,387	1,000	3,545	3,807	3,664	2,300	28,455
21	2,326	1,000	2,193	2,302	2,387	2,362	3,545	2,373	3,664	3,635	25,785
22	3,740	2,221	2,193	3,679	2,387	3,764	2,178	2,373	3,664	2,300	28,498
23	2,326	3,556	1,000	3,679	3,824	2,362	2,178	3,807	3,664	3,635	30,030
24	3,740	2,221	3,480	1,000	2,387	1,000	2,178	1,000	2,303	2,300	21,608
25	3,740	3,556	1,000	2,302	2,387	2,362	3,545	3,807	3,664	1,000	27,362
26	3,740	1,000	2,193	1,000	1,000	2,362	3,545	2,373	3,664	2,300	23,175
27	2,326	2,221	3,480	2,302	2,387	3,764	2,178	3,807	3,664	3,635	29,764
28	2,326	3,556	2,193	2,302	3,824	3,764	3,545	2,373	2,303	3,635	29,820
29	2,326	3,556	2,193	3,679	3,824	3,764	2,178	3,807	3,664	2,300	31,290
30	2,326	3,556	3,480	2,302	3,824	3,764	3,545	3,807	2,303	2,300	31,206
31	3,740	2,221	2,193	2,302	2,387	2,362	3,545	2,373	2,303	3,635	27,060
32	3,740	2,221	3,480	3,679	3,824	3,764	3,545	3,807	2,303	2,300	32,663
33	3,740	3,556	3,480	2,302	3,824	3,764	3,545	3,807	1,000	2,300	31,318
34	2,326	2,221	3,480	2,302	2,387	2,362	2,178	2,373	2,303	3,635	25,566
35	3,740	2,221	2,193	2,302	1,000	2,362	1,000	3,807	1,000	1,000	20,625
36	3,740	3,556	2,193	2,302	3,824	2,362	3,545	2,373	2,303	1,000	27,196
37	1,000	2,221	2,193	1,000	2,387	3,764	3,545	2,373	3,664	2,300	24,446
38	2,326	2,221	3,480	3,679	3,824	3,764	3,545	3,807	2,303	2,300	31,248
39	2,326	3,556	3,480	3,679	2,387	2,362	1,000	3,807	2,303	1,000	25,899
40	3,740	2,221	2,193	2,302	3,824	2,362	2,178	2,373	2,303	3,635	27,130
41	3,740	2,221	3,480	2,302	2,387	3,764	3,545	3,807	3,664	3,635	32,545
42	2,326	3,556	2,193	3,679	3,824	3,764	2,178	1,000	2,303	2,300	27,122
43	3,740	2,221	3,480	3,679	3,824	2,362	3,545	3,807	2,303	3,635	32,595
44	3,740	3,556	3,480	2,302	2,387	1,000	3,545	3,807	3,664	2,300	29,780
45	3,740	3,556	3,480	2,302	3,824	3,764	3,545	2,373	3,664	3,635	33,882
46	3,740	2,221	3,480	3,679	3,824	2,362	3,545	2,373	3,664	2,300	31,186
47	2,326	3,556	2,193	3,679	3,824	2,362	1,000	3,807	2,303	2,300	27,349
48	2,326	3,556	3,480	3,679	3,824	2,362	3,545	2,373	2,303	3,635	31,080

49	3,740	3,556	1,000	3,679	3,824	2,362	3,545	3,807	2,303	2,300	30,115
50	3,740	1,000	2,193	2,302	2,387	3,764	3,545	3,807	2,303	2,300	27,341
51	3,740	2,221	3,480	2,302	2,387	3,764	2,178	2,373	3,664	3,635	29,744
52	2,326	2,221	3,480	2,302	2,387	3,764	2,178	2,373	3,664	3,635	28,329
53	3,740	1,000	1,000	2,302	2,387	2,362	3,545	2,373	2,303	1,000	22,011
54	3,740	2,221	2,193	2,302	3,824	3,764	3,545	3,807	3,664	3,635	32,695
55	2,326	1,000	1,000	2,302	2,387	2,362	2,178	2,373	3,664	3,635	23,226
56	2,326	1,000	2,193	3,679	3,824	2,362	1,000	3,807	2,303	2,300	24,793
57	3,740	2,221	3,480	3,679	1,000	3,764	2,178	3,807	2,303	2,300	28,472
58	3,740	3,556	3,480	2,302	2,387	2,362	1,000	3,807	1,000	1,000	24,634
59	2,326	3,556	2,193	2,302	2,387	3,764	3,545	3,807	2,303	2,300	28,482
60	2,326	2,221	3,480	1,000	2,387	1,000	3,545	2,373	2,303	1,000	21,633
61	2,326	3,556	2,193	1,000	3,824	2,362	2,178	2,373	3,664	2,300	25,774
62	3,740	2,221	2,193	2,302	3,824	3,764	2,178	2,373	3,664	2,300	28,558
63	3,740	2,221	2,193	1,000	2,387	2,362	3,545	3,807	2,303	3,635	27,192
64	3,740	3,556	3,480	2,302	3,824	3,764	2,178	2,373	3,664	2,300	31,180
65	3,740	1,000	2,193	2,302	3,824	2,362	2,178	3,807	2,303	2,300	26,009
66	3,740	3,556	2,193	2,302	3,824	3,764	3,545	3,807	3,664	3,635	34,030
67	2,326	3,556	1,000	1,000	2,387	2,362	3,545	3,807	2,303	1,000	23,285
68	1,000	1,000	3,480	3,679	2,387	2,362	3,545	2,373	2,303	2,300	24,427
69	2,326	2,221	2,193	3,679	3,824	2,362	3,545	2,373	3,664	2,300	28,485
70	2,326	3,556	3,480	3,679	2,387	2,362	2,178	2,373	3,664	3,635	29,638
71	2,326	1,000	1,000	2,302	2,387	2,362	2,178	3,807	1,000	2,300	20,662
72	3,740	3,556	2,193	3,679	2,387	3,764	3,545	2,373	2,303	2,300	29,838
73	2,326	2,221	2,193	3,679	2,387	3,764	2,178	1,000	3,664	3,635	27,046
74	2,326	2,221	3,480	2,302	3,824	3,764	2,178	3,807	2,303	2,300	28,505
75	3,740	3,556	2,193	3,679	3,824	3,764	2,178	3,807	2,303	2,300	31,344
76	2,326	2,221	3,480	3,679	3,824	2,362	3,545	2,373	2,303	1,000	27,111
77	3,740	2,221	3,480	2,302	3,824	2,362	2,178	3,807	3,664	2,300	29,878
78	3,740	2,221	2,193	2,302	2,387	3,764	3,545	2,373	3,664	3,635	29,823
79	3,740	3,556	3,480	3,679	2,387	3,764	2,178	3,807	1,000	1,000	28,591
80	2,326	3,556	3,480	3,679	3,824	1,000	3,545	3,807	2,303	2,300	29,818
81	3,740	3,556	2,193	2,302	3,824	2,362	3,545	2,373	3,664	3,635	31,192
82	1,000	3,556	2,193	3,679	3,824	3,764	3,545	3,807	3,664	2,300	31,331
83	2,326	3,556	3,480	2,302	2,387	1,000	2,178	2,373	2,303	1,000	22,903
84	2,326	2,221	1,000	2,302	3,824	2,362	1,000	1,000	1,000	2,300	19,335
85	3,740	2,221	3,480	3,679	2,387	2,362	3,545	3,807	3,664	3,635	32,519
86	1,000	3,556	3,480	3,679	2,387	3,764	2,178	2,373	2,303	2,300	27,019
87	2,326	3,556	2,193	2,302	3,824	3,764	2,178	3,807	3,664	3,635	31,249
88	3,740	3,556	1,000	1,000	3,824	2,362	3,545	3,807	2,303	2,300	27,436
89	2,326	3,556	2,193	3,679	2,387	3,764	3,545	2,373	2,303	3,635	29,759
90	1,000	3,556	2,193	2,302	2,387	2,362	2,178	3,807	1,000	2,300	23,085
91	3,740	2,221	3,480	2,302	3,824	3,764	2,178	1,000	2,303	1,000	25,812
92	3,740	3,556	3,480	2,302	2,387	3,764	2,178	2,373	2,303	3,635	29,717
93	2,326	2,221	2,193	2,302	1,000	2,362	3,545	2,373	1,000	3,635	22,956
94	2,326	2,221	2,193	2,302	3,824	2,362	3,545	2,373	2,303	2,300	25,747
95	2,326	2,221	1,000	2,302	2,387	2,362	2,178	2,373	3,664	2,300	23,112
96	3,740	3,556	2,193	3,679	2,387	2,362	2,178	2,373	3,664	2,300	28,430
97	2,326	2,221	2,193	3,679	3,824	3,764	3,545	2,373	2,303	1,000	27,227

**Lampiran 13**  
**Data Uji MSI Beban Kerja**

	1	2	3	4	5	6	7	8	9	10	total
1	3,820	3,406	3,790	2,328	2,354	2,224	2,248	2,293	2,264	4,848	29,576
2	3,820	3,406	3,790	3,730	1,000	2,224	2,248	3,643	2,264	3,562	29,688
3	3,820	2,194	2,368	3,730	2,354	3,493	1,000	2,293	2,264	3,562	27,079
4	2,369	4,742	2,368	2,328	2,354	1,000	3,591	3,643	2,264	3,562	28,221
5	3,820	3,406	2,368	3,730	2,354	2,224	3,591	2,293	3,551	4,848	32,185
6	3,820	2,194	2,368	2,328	2,354	2,224	3,591	2,293	2,264	2,362	25,798
7	2,369	3,406	2,368	2,328	3,722	1,000	3,591	1,000	3,551	3,562	26,897
8	2,369	4,742	2,368	2,328	2,354	1,000	2,248	2,293	2,264	3,562	25,529
9	2,369	2,194	2,368	3,730	3,722	2,224	1,000	3,643	3,551	3,562	28,363
10	3,820	3,406	3,790	1,000	3,722	2,224	2,248	2,293	1,000	3,562	27,065
11	2,369	2,194	3,790	2,328	2,354	1,000	2,248	2,293	2,264	4,848	25,689
12	2,369	2,194	3,790	2,328	2,354	1,000	3,591	2,293	2,264	3,562	25,745
13	2,369	3,406	3,790	3,730	3,722	3,493	1,000	2,293	1,000	4,848	29,652
14	2,369	4,742	1,000	3,730	2,354	3,493	1,000	1,000	2,264	2,362	24,316
15	3,820	3,406	1,000	2,328	2,354	2,224	2,248	2,293	2,264	4,848	26,785
16	2,369	4,742	3,790	3,730	3,722	2,224	3,591	1,000	1,000	2,362	28,532
17	3,820	3,406	2,368	3,730	1,000	1,000	1,000	3,643	2,264	4,848	27,080
18	3,820	4,742	3,790	3,730	2,354	2,224	3,591	1,000	1,000	3,562	29,814
19	2,369	3,406	2,368	3,730	1,000	1,000	3,591	3,643	3,551	3,562	28,220
20	3,820	3,406	3,790	3,730	2,354	3,493	2,248	2,293	1,000	3,562	29,697
21	3,820	4,742	2,368	3,730	3,722	2,224	2,248	2,293	2,264	3,562	30,975
22	2,369	4,742	3,790	3,730	2,354	2,224	2,248	2,293	3,551	4,848	32,150
23	3,820	3,406	3,790	3,730	2,354	2,224	2,248	3,643	2,264	3,562	31,042
24	2,369	3,406	1,000	2,328	2,354	1,000	2,248	2,293	1,000	3,562	21,560
25	3,820	3,406	2,368	2,328	2,354	1,000	2,248	2,293	3,551	3,562	26,930
26	3,820	3,406	3,790	1,000	1,000	2,224	2,248	1,000	3,551	4,848	26,887
27	2,369	3,406	3,790	2,328	2,354	2,224	3,591	3,643	2,264	3,562	29,531
28	3,820	2,194	2,368	3,730	2,354	3,493	2,248	2,293	2,264	3,562	28,327
29	3,820	4,742	3,790	3,730	1,000	3,493	2,248	2,293	3,551	4,848	33,516
30	3,820	3,406	1,000	2,328	2,354	3,493	3,591	3,643	3,551	4,848	32,032
31	2,369	4,742	3,790	3,730	2,354	2,224	2,248	3,643	2,264	3,562	30,928
32	3,820	4,742	3,790	2,328	3,722	1,000	2,248	2,293	2,264	4,848	31,056
33	3,820	3,406	3,790	2,328	2,354	2,224	3,591	2,293	2,264	3,562	29,632
34	3,820	4,742	2,368	3,730	3,722	2,224	1,000	1,000	3,551	4,848	31,006
35	2,369	3,406	2,368	2,328	3,722	1,000	2,248	2,293	2,264	2,362	24,362
36	1,000	3,406	2,368	2,328	3,722	3,493	3,591	3,643	1,000	3,562	28,112
37	3,820	3,406	2,368	1,000	1,000	3,493	3,591	3,643	1,000	4,848	28,168
38	2,369	4,742	3,790	2,328	2,354	2,224	3,591	2,293	2,264	4,848	30,804
39	2,369	2,194	2,368	2,328	3,722	3,493	2,248	3,643	3,551	3,562	29,478
40	3,820	3,406	2,368	3,730	3,722	2,224	1,000	2,293	2,264	2,362	27,190
41	2,369	3,406	3,790	3,730	2,354	3,493	3,591	2,293	2,264	2,362	29,653
42	3,820	2,194	3,790	2,328	2,354	3,493	3,591	3,643	3,551	3,562	32,325
43	3,820	4,742	3,790	2,328	2,354	3,493	3,591	2,293	3,551	3,562	33,523
44	2,369	4,742	3,790	3,730	2,354	2,224	3,591	3,643	2,264	2,362	31,070
45	3,820	2,194	3,790	3,730	3,722	2,224	3,591	2,293	2,264	3,562	31,191
46	3,820	3,406	3,790	3,730	2,354	3,493	1,000	3,643	2,264	4,848	32,349
47	3,820	4,742	3,790	2,328	1,000	1,000	2,248	2,293	3,551	3,562	28,334
48	2,369	4,742	2,368	2,328	2,354	3,493	2,248	3,643	2,264	3,562	29,372

49	3,820	3,406	2,368	3,730	1,000	2,224	3,591	2,293	3,551	4,848	30,831
50	3,820	3,406	2,368	3,730	2,354	2,224	2,248	2,293	1,000	3,562	27,006
51	3,820	2,194	3,790	3,730	2,354	2,224	3,591	2,293	1,000	4,848	29,844
52	2,369	3,406	3,790	1,000	2,354	3,493	3,591	1,000	3,551	3,562	28,116
53	3,820	3,406	2,368	2,328	1,000	1,000	2,248	3,643	2,264	3,562	25,639
54	3,820	4,742	3,790	2,328	3,722	3,493	3,591	2,293	1,000	4,848	33,627
55	2,369	3,406	2,368	2,328	2,354	1,000	3,591	1,000	1,000	3,562	22,978
56	2,369	3,406	2,368	2,328	2,354	2,224	2,248	2,293	2,264	2,362	24,217
57	3,820	3,406	2,368	3,730	2,354	2,224	2,248	2,293	2,264	2,362	27,071
58	2,369	3,406	2,368	2,328	2,354	2,224	3,591	2,293	1,000	3,562	25,495
59	2,369	2,194	2,368	2,328	2,354	3,493	3,591	2,293	3,551	2,362	26,903
60	2,369	3,406	2,368	2,328	2,354	1,000	2,248	3,643	1,000	3,562	24,278
61	2,369	3,406	1,000	2,328	3,722	2,224	2,248	2,293	2,264	3,562	25,417
62	3,820	4,742	3,790	3,730	1,000	3,493	2,248	2,293	3,551	3,562	32,230
63	2,369	2,194	3,790	2,328	2,354	2,224	3,591	3,643	2,264	4,848	29,605
64	3,820	3,406	3,790	3,730	2,354	2,224	2,248	3,643	3,551	2,362	31,129
65	2,369	3,406	3,790	2,328	2,354	2,224	2,248	2,293	2,264	3,562	26,839
66	3,820	3,406	3,790	3,730	2,354	2,224	3,591	3,643	3,551	3,562	33,670
67	3,820	4,742	2,368	3,730	2,354	2,224	1,000	2,293	1,000	2,362	25,895
68	1,000	4,742	2,368	2,328	1,000	1,000	2,248	2,293	2,264	4,848	24,092
69	2,369	4,742	3,790	2,328	2,354	2,224	2,248	3,643	1,000	3,562	28,261
70	3,820	4,742	2,368	2,328	2,354	3,493	2,248	2,293	1,000	3,562	28,209
71	2,369	3,406	2,368	1,000	1,000	2,224	2,248	2,293	3,551	3,562	24,021
72	2,369	4,742	2,368	2,328	2,354	3,493	3,591	1,000	2,264	4,848	29,358
73	3,820	3,406	3,790	2,328	3,722	3,493	3,591	2,293	2,264	2,362	31,069
74	3,820	2,194	3,790	3,730	3,722	1,000	2,248	2,293	2,264	2,362	27,425
75	2,369	3,406	3,790	2,328	2,354	3,493	2,248	3,643	1,000	3,562	28,193
76	3,820	4,742	2,368	2,328	3,722	2,224	3,591	1,000	3,551	2,362	29,708
77	2,369	4,742	3,790	3,730	2,354	3,493	3,591	3,643	2,264	2,362	32,339
78	3,820	3,406	2,368	2,328	1,000	3,493	3,591	3,643	2,264	4,848	30,761
79	3,820	4,742	2,368	3,730	3,722	3,493	3,591	2,293	1,000	3,562	32,321
80	1,000	4,742	3,790	3,730	2,354	1,000	3,591	3,643	2,264	2,362	28,477
81	3,820	4,742	2,368	1,000	3,722	1,000	3,591	3,643	2,264	3,562	29,712
82	2,369	4,742	1,000	3,730	3,722	2,224	2,248	3,643	2,264	4,848	30,792
83	2,369	3,406	2,368	3,730	1,000	2,224	2,248	2,293	2,264	3,562	25,465
84	2,369	2,194	2,368	3,730	3,722	2,224	2,248	2,293	2,264	1,000	24,414
85	3,820	3,406	3,790	3,730	2,354	2,224	3,591	3,643	3,551	4,848	34,957
86	3,820	3,406	3,790	2,328	3,722	3,493	3,591	3,643	3,551	2,362	33,705
87	1,000	3,406	2,368	2,328	3,722	3,493	3,591	3,643	2,264	3,562	29,377
88	2,369	4,742	2,368	1,000	1,000	3,493	2,248	3,643	2,264	4,848	27,976
89	3,820	3,406	2,368	1,000	2,354	2,224	3,591	3,643	3,551	3,562	29,518
90	2,369	3,406	2,368	2,328	1,000	2,224	2,248	2,293	3,551	3,562	25,349
91	2,369	1,000	3,790	3,730	3,722	2,224	2,248	1,000	1,000	3,562	24,646
92	3,820	4,742	3,790	2,328	2,354	3,493	2,248	2,293	3,551	4,848	33,467
93	3,820	3,406	1,000	3,730	2,354	2,224	1,000	1,000	2,264	4,848	25,647
94	2,369	3,406	2,368	3,730	2,354	2,224	2,248	3,643	1,000	3,562	26,905
95	1,000	3,406	2,368	3,730	3,722	2,224	1,000	1,000	3,551	3,562	25,564
96	3,820	4,742	2,368	2,328	3,722	3,493	1,000	2,293	2,264	2,362	28,393
97	2,369	4,742	2,368	3,730	2,354	1,000	3,591	3,643	2,264	2,362	28,425



**Lampiran 14**  
**Data Uji MSI Kelelahan Kerja**

	1	2	3	4	5	6	7	8	9	10	total
1	2,361	3,521	2,235	3,339	3,277	3,624	2,195	1,000	2,014	3,493	27,058
2	2,361	2,238	2,235	4,646	3,277	2,279	3,534	2,244	3,312	3,493	29,618
3	2,361	2,238	1,000	3,339	3,277	2,279	3,534	3,567	3,312	2,310	27,217
4	2,361	3,521	2,235	4,646	4,628	2,279	2,195	2,244	3,312	3,493	30,914
5	3,742	3,521	3,573	3,339	3,277	1,000	2,195	3,567	4,723	3,493	32,430
6	3,742	3,521	2,235	4,646	3,277	2,279	1,000	3,567	3,312	4,783	32,363
7	2,361	2,238	2,235	4,646	4,628	2,279	2,195	2,244	3,312	3,493	29,630
8	3,742	1,000	1,000	3,339	4,628	2,279	3,534	2,244	4,723	2,310	28,799
9	2,361	3,521	1,000	3,339	3,277	3,624	2,195	2,244	4,723	3,493	29,776
10	2,361	2,238	2,235	4,646	3,277	2,279	1,000	3,567	3,312	4,783	29,698
11	1,000	1,000	2,235	3,339	4,628	2,279	1,000	2,244	3,312	3,493	24,529
12	1,000	1,000	3,573	4,646	4,628	3,624	2,195	1,000	3,312	2,310	27,288
13	3,742	2,238	3,573	3,339	4,628	2,279	3,534	1,000	3,312	4,783	32,428
14	2,361	1,000	2,235	3,339	3,277	1,000	1,000	2,244	2,014	2,310	20,780
15	2,361	1,000	2,235	4,646	2,092	3,624	3,534	2,244	3,312	4,783	29,831
16	2,361	2,238	3,573	4,646	3,277	1,000	3,534	3,567	3,312	3,493	31,001
17	2,361	2,238	3,573	3,339	3,277	1,000	2,195	2,244	3,312	3,493	27,031
18	3,742	1,000	2,235	3,339	4,628	2,279	3,534	1,000	2,014	4,783	28,555
19	2,361	2,238	3,573	3,339	4,628	3,624	3,534	2,244	3,312	4,783	33,635
20	2,361	2,238	3,573	3,339	3,277	3,624	3,534	3,567	4,723	3,493	33,728
21	2,361	1,000	2,235	3,339	3,277	2,279	3,534	3,567	3,312	2,310	27,214
22	3,742	2,238	3,573	4,646	2,092	3,624	1,000	1,000	3,312	3,493	28,720
23	2,361	3,521	2,235	2,194	2,092	2,279	2,195	2,244	3,312	4,783	27,217
24	1,000	2,238	1,000	3,339	3,277	3,624	1,000	3,567	4,723	3,493	27,260
25	1,000	2,238	3,573	2,194	4,628	2,279	3,534	1,000	4,723	4,783	29,952
26	3,742	1,000	3,573	2,194	3,277	3,624	2,195	2,244	4,723	3,493	30,064
27	2,361	2,238	3,573	4,646	4,628	2,279	2,195	3,567	3,312	4,783	33,582
28	2,361	2,238	1,000	3,339	3,277	3,624	3,534	2,244	3,312	4,783	29,711
29	2,361	3,521	2,235	4,646	4,628	2,279	2,195	1,000	4,723	3,493	31,081
30	2,361	3,521	3,573	3,339	4,628	2,279	3,534	3,567	4,723	4,783	36,308
31	3,742	2,238	2,235	3,339	3,277	3,624	3,534	2,244	3,312	4,783	32,328
32	3,742	2,238	3,573	4,646	4,628	3,624	6,000	3,567	3,312	3,493	38,822
33	3,742	3,521	3,573	3,339	4,628	3,624	3,534	2,244	3,312	4,783	36,300
34	2,361	2,238	3,573	3,339	3,277	3,624	3,534	2,244	3,312	4,783	32,284
35	3,742	1,000	2,235	4,646	2,092	2,279	3,534	2,244	1,000	3,493	26,266
36	3,742	3,521	2,235	3,339	3,277	2,279	2,195	3,567	3,312	2,310	29,778
37	1,000	2,238	3,573	4,646	4,628	1,000	3,534	2,244	2,014	4,783	29,661
38	2,361	2,238	3,573	2,194	3,277	2,279	3,534	2,244	3,312	3,493	28,504
39	2,361	1,000	2,235	4,646	3,277	2,279	3,534	3,567	3,312	3,493	29,703
40	3,742	2,238	2,235	3,339	4,628	1,000	1,000	2,244	3,312	4,783	28,521
41	3,742	2,238	1,000	2,194	4,628	3,624	3,534	3,567	4,723	4,783	34,033
42	2,361	3,521	2,235	4,646	4,628	3,624	2,195	1,000	4,723	3,493	32,425
43	3,742	2,238	3,573	2,194	3,277	3,624	3,534	3,567	4,723	4,783	35,255
44	3,742	3,521	2,235	4,646	4,628	3,624	3,534	3,567	3,312	3,493	36,302
45	3,742	3,521	3,573	3,339	4,628	3,624	3,534	2,244	4,723	4,783	37,711
46	3,742	2,238	3,573	4,646	4,628	2,279	3,534	2,244	4,723	4,783	36,391
47	3,742	2,238	1,000	2,194	2,092	2,279	3,534	3,567	4,723	3,493	28,863
48	2,361	3,521	3,573	4,646	4,628	2,279	2,195	3,567	3,312	2,310	32,393

49	3,742	3,521	1,000	4,646	3,277	3,624	3,534	3,567	2,014	3,493	32,419
50	3,742	1,000	2,235	3,339	3,277	2,279	2,195	2,244	3,312	3,493	27,116
51	2,361	2,238	3,573	3,339	3,277	3,624	2,195	1,000	4,723	3,493	29,822
52	2,361	2,238	3,573	4,646	3,277	2,279	2,195	1,000	4,723	2,310	28,602
53	1,000	2,238	1,000	2,194	3,277	3,624	3,534	2,244	3,312	2,310	24,733
54	2,361	2,238	2,235	3,339	4,628	2,279	3,534	3,567	3,312	4,783	32,276
55	2,361	1,000	2,235	3,339	3,277	3,624	2,195	2,244	4,723	4,783	29,780
56	2,361	3,521	3,573	3,339	3,277	2,279	1,000	1,000	4,723	1,000	26,073
57	1,000	1,000	2,235	4,646	2,092	3,624	2,195	3,567	3,312	3,493	27,164
58	2,361	3,521	2,235	4,646	3,277	2,279	1,000	1,000	2,014	3,493	25,826
59	2,361	3,521	3,573	3,339	3,277	1,000	2,195	2,244	4,723	3,493	29,725
60	1,000	2,238	1,000	2,194	3,277	2,279	3,534	2,244	3,312	2,310	23,388
61	2,361	3,521	3,573	2,194	3,277	2,279	2,195	3,567	2,014	3,493	28,475
62	2,361	2,238	2,235	3,339	4,628	3,624	2,195	2,244	3,312	3,493	29,667
63	2,361	2,238	3,573	4,646	3,277	2,279	3,534	3,567	3,312	4,783	33,570
64	2,361	2,238	3,573	3,339	2,092	3,624	2,195	2,244	4,723	3,493	29,881
65	3,742	1,000	2,235	3,339	4,628	3,624	3,534	3,567	3,312	3,493	32,473
66	3,742	2,238	2,235	3,339	4,628	3,624	2,195	2,244	4,723	4,783	33,751
67	2,361	3,521	3,573	4,646	4,628	3,624	1,000	2,244	3,312	2,310	31,219
68	1,000	1,000	3,573	3,339	4,628	2,279	2,195	3,567	4,723	3,493	29,797
69	2,361	1,000	3,573	4,646	4,628	3,624	3,534	3,567	4,723	2,310	33,966
70	3,742	2,238	3,573	4,646	3,277	2,279	2,195	2,244	3,312	2,310	29,817
71	1,000	2,238	1,000	1,000	3,277	2,279	2,195	3,567	3,312	3,493	23,361
72	2,361	2,238	2,235	4,646	3,277	2,279	3,534	2,244	2,014	3,493	28,321
73	2,361	1,000	2,235	3,339	3,277	3,624	2,195	2,244	4,723	4,783	29,780
74	1,000	1,000	3,573	2,194	4,628	3,624	2,195	3,567	4,723	3,493	29,996
75	2,361	3,521	2,235	4,646	4,628	1,000	3,534	1,000	3,312	2,310	28,547
76	2,361	2,238	3,573	4,646	4,628	2,279	3,534	2,244	3,312	3,493	32,308
77	3,742	2,238	2,235	3,339	3,277	2,279	3,534	2,244	4,723	3,493	31,104
78	1,000	2,238	3,573	4,646	4,628	3,624	1,000	3,567	3,312	2,310	29,898
79	2,361	3,521	2,235	3,339	3,277	1,000	2,195	3,567	3,312	3,493	28,299
80	2,361	2,238	2,235	3,339	3,277	2,279	3,534	3,567	4,723	3,493	31,045
81	2,361	3,521	3,573	4,646	4,628	3,624	2,195	2,244	3,312	2,310	32,414
82	3,742	3,521	1,000	3,339	2,092	2,279	3,534	3,567	3,312	4,783	31,170
83	2,361	3,521	2,235	4,646	4,628	3,624	2,195	2,244	3,312	3,493	32,258
84	2,361	2,238	2,235	2,194	3,277	1,000	2,195	2,244	3,312	3,493	24,548
85	2,361	3,521	3,573	4,646	4,628	2,279	2,195	2,244	3,312	4,783	33,543
86	3,742	3,521	2,235	3,339	3,277	2,279	3,534	2,244	4,723	4,783	33,678
87	2,361	2,238	3,573	3,339	4,628	1,000	3,534	3,567	4,723	3,493	32,455
88	2,361	2,238	2,235	4,646	3,277	2,279	2,195	3,567	3,312	3,493	29,603
89	1,000	3,521	2,235	3,339	2,092	2,279	3,534	3,567	4,723	4,783	31,074
90	2,361	3,521	2,235	3,339	4,628	2,279	2,195	2,244	3,312	4,783	30,897
91	2,361	2,238	2,235	4,646	1,000	1,000	2,195	2,244	4,723	3,493	26,134
92	3,742	2,238	3,573	3,339	3,277	2,279	2,195	3,567	3,312	3,493	31,015
93	2,361	3,521	3,573	4,646	2,092	3,624	2,195	1,000	3,312	3,493	29,817
94	2,361	2,238	3,573	4,646	2,092	3,624	3,534	2,244	4,723	4,783	33,818
95	3,742	3,521	2,235	3,339	3,277	2,279	3,534	2,244	3,312	2,310	29,793
96	3,742	1,000	2,235	2,194	3,277	2,279	3,534	3,567	4,723	2,310	28,861
97	3,742	3,521	3,573	3,339	3,277	2,279	3,534	2,244	2,014	3,493	31,017

**Lampiran 15**  
**Data Uji MSI Keselamatan dan Kesehatan Kerja**

	1	2	3	4	5	6	7	8	9	10	total
1	2,371	3,635	2,292	3,582	3,328	1,000	2,233	3,469	3,123	2,293	27,326
2	2,371	2,300	3,676	2,269	3,328	2,330	2,233	3,469	1,925	2,293	26,194
3	3,771	1,000	2,292	2,269	4,610	2,330	2,233	2,387	4,523	1,000	26,415
4	2,371	2,300	2,292	2,269	2,225	1,000	3,535	4,684	4,523	2,293	27,492
5	2,371	2,300	3,676	2,269	3,328	2,330	1,000	3,469	3,123	2,293	26,159
6	3,771	2,300	3,676	3,582	4,610	2,330	2,233	3,469	4,523	1,000	31,494
7	3,771	2,300	2,292	2,269	3,328	2,330	3,535	3,469	4,523	3,643	31,460
8	2,371	1,000	2,292	2,269	4,610	3,715	3,535	2,387	4,523	3,643	30,345
9	2,371	1,000	2,292	3,582	3,328	2,330	1,000	4,684	3,123	2,293	26,002
10	2,371	2,300	3,676	1,000	3,328	2,330	2,233	2,387	3,123	2,293	25,040
11	2,371	1,000	2,292	1,000	3,328	2,330	2,233	3,469	3,123	2,293	23,439
12	1,000	2,300	2,292	2,269	3,328	2,330	3,535	2,387	4,523	3,643	27,607
13	3,771	2,300	3,676	2,269	3,328	3,715	3,535	3,469	3,123	3,643	32,829
14	2,371	3,635	1,000	3,582	3,328	1,000	1,000	2,387	3,123	1,000	22,426
15	2,371	2,300	1,000	2,269	3,328	3,715	3,535	3,469	1,925	2,293	26,205
16	3,771	2,300	3,676	1,000	4,610	3,715	2,233	2,387	3,123	3,643	30,457
17	3,771	2,300	1,000	3,582	2,225	1,000	3,535	3,469	4,523	3,643	29,048
18	2,371	3,635	3,676	2,269	3,328	2,330	2,233	3,469	3,123	2,293	28,727
19	3,771	2,300	3,676	1,000	2,225	2,330	3,535	4,684	3,123	3,643	30,286
20	2,371	3,635	3,676	2,269	3,328	3,715	2,233	3,469	4,523	2,293	31,512
21	3,771	3,635	2,292	3,582	4,610	2,330	1,000	3,469	3,123	2,293	30,105
22	2,371	2,300	3,676	2,269	4,610	3,715	2,233	3,469	4,523	3,643	32,808
23	3,771	3,635	2,292	3,582	3,328	3,715	2,233	2,387	4,523	3,643	33,108
24	2,371	2,300	1,000	1,000	3,328	1,000	2,233	4,684	3,123	2,293	23,331
25	2,371	3,635	1,000	3,582	4,610	1,000	3,535	4,684	3,123	3,643	31,183
26	2,371	2,300	3,676	3,582	3,328	3,715	2,233	2,387	3,123	1,000	27,715
27	2,371	2,300	3,676	2,269	3,328	2,330	1,000	4,684	4,523	2,293	28,773
28	3,771	1,000	2,292	3,582	3,328	2,330	3,535	4,684	3,123	2,293	29,937
29	2,371	3,635	3,676	2,269	4,610	3,715	3,535	3,469	4,523	3,643	35,446
30	3,771	2,300	3,676	2,269	4,610	1,000	2,233	4,684	4,523	3,643	32,708
31	3,771	2,300	3,676	3,582	4,610	3,715	1,000	4,684	4,523	2,293	34,153
32	1,000	3,635	3,676	2,269	4,610	3,715	2,233	4,684	4,523	3,643	33,987
33	2,371	3,635	2,292	3,582	3,328	3,715	2,233	3,469	4,523	3,643	32,790
34	2,371	2,300	3,676	2,269	4,610	2,330	1,000	4,684	4,523	2,293	30,055
35	1,000	1,000	2,292	2,269	4,610	1,000	2,233	3,469	3,123	2,293	23,289
36	2,371	2,300	3,676	2,269	3,328	2,330	3,535	4,684	3,123	3,643	31,259
37	2,371	1,000	3,676	3,582	4,610	3,715	3,535	3,469	3,123	3,643	32,724
38	3,771	1,000	3,676	2,269	4,610	2,330	2,233	4,684	4,523	2,293	31,388
39	2,371	2,300	3,676	3,582	3,328	2,330	2,233	3,469	4,523	3,643	31,454
40	2,371	3,635	3,676	2,269	4,610	3,715	2,233	3,469	1,925	1,000	28,903
41	3,771	2,300	3,676	3,582	3,328	2,330	3,535	4,684	3,123	2,293	32,621
42	2,371	2,300	2,292	2,269	4,610	2,330	3,535	3,469	4,523	3,643	31,342
43	1,000	3,635	3,676	2,269	4,610	2,330	2,233	4,684	4,523	3,643	32,602
44	2,371	2,300	3,676	2,269	4,610	3,715	2,233	3,469	3,123	2,293	30,059
45	3,771	2,300	3,676	1,000	4,610	2,330	3,535	4,684	4,523	2,293	32,721
46	2,371	3,635	2,292	2,269	3,328	3,715	2,233	3,469	4,523	3,643	31,477
47	2,371	3,635	3,676	1,000	4,610	2,330	3,535	3,469	4,523	2,293	31,442

48	3,771	2,300	3,676	2,269	3,328	3,715	2,233	4,684	3,123	3,643	32,741
49	3,771	3,635	2,292	2,269	3,328	2,330	2,233	3,469	4,523	2,293	30,142
50	3,771	2,300	2,292	1,000	3,328	3,715	2,233	2,387	3,123	3,643	27,791
51	2,371	3,635	3,676	3,582	2,225	2,330	1,000	3,469	3,123	3,643	29,054
52	1,000	2,300	2,292	2,269	4,610	3,715	2,233	3,469	4,523	2,293	28,704
53	2,371	2,300	2,292	3,582	2,225	3,715	1,000	2,387	4,523	3,643	28,038
54	2,371	3,635	3,676	2,269	4,610	3,715	2,233	3,469	3,123	2,293	31,394
55	2,371	1,000	3,676	2,269	4,610	2,330	3,535	1,000	3,123	1,000	24,915
56	3,771	2,300	2,292	2,269	2,225	2,330	2,233	2,387	4,523	2,293	26,622
57	2,371	2,300	3,676	1,000	4,610	3,715	2,233	3,469	3,123	2,293	28,790
58	3,771	2,300	2,292	2,269	3,328	1,000	1,000	4,684	3,123	1,000	24,766
59	3,771	3,635	2,292	2,269	2,225	2,330	1,000	2,387	3,123	3,643	26,675
60	2,371	2,300	2,292	2,269	3,328	2,330	2,233	3,469	4,523	2,293	27,408
61	2,371	1,000	2,292	1,000	4,610	2,330	3,535	3,469	4,523	2,293	27,423
62	3,771	2,300	2,292	1,000	3,328	2,330	3,535	4,684	3,123	2,293	28,655
63	2,371	2,300	1,000	2,269	3,328	2,330	2,233	4,684	3,123	3,643	27,280
64	3,771	1,000	3,676	2,269	2,225	3,715	1,000	4,684	4,523	3,643	30,505
65	2,371	1,000	2,292	1,000	4,610	3,715	3,535	2,387	3,123	2,293	26,326
66	3,771	3,635	2,292	3,582	2,225	3,715	3,535	4,684	4,523	1,000	32,962
67	2,371	2,300	2,292	2,269	4,610	2,330	2,233	3,469	3,123	2,293	27,290
68	2,371	3,635	3,676	3,582	3,328	3,715	1,000	3,469	4,523	1,000	30,299
69	2,371	1,000	1,000	2,269	3,328	2,330	2,233	4,684	4,523	2,293	26,030
70	3,771	1,000	2,292	1,000	4,610	2,330	2,233	4,684	3,123	2,293	27,335
71	2,371	2,300	2,292	3,582	3,328	2,330	3,535	3,469	3,123	2,293	28,623
72	3,771	2,300	3,676	1,000	4,610	2,330	1,000	2,387	4,523	3,643	29,239
73	2,371	3,635	3,676	2,269	3,328	3,715	3,535	3,469	3,123	2,293	31,414
74	2,371	3,635	2,292	2,269	2,225	2,330	3,535	3,469	3,123	3,643	28,893
75	2,371	3,635	1,000	1,000	3,328	3,715	3,535	4,684	4,523	2,293	30,083
76	3,771	2,300	2,292	2,269	3,328	3,715	2,233	3,469	4,523	3,643	31,542
77	2,371	3,635	2,292	2,269	4,610	2,330	3,535	2,387	1,925	2,293	27,648
78	1,000	2,300	3,676	3,582	4,610	3,715	3,535	4,684	3,123	2,293	32,518
79	3,771	2,300	2,292	3,582	4,610	3,715	2,233	2,387	4,523	3,643	33,055
80	2,371	2,300	3,676	3,582	4,610	2,330	2,233	4,684	1,925	2,293	30,003
81	1,000	3,635	2,292	2,269	2,225	2,330	3,535	4,684	4,523	2,293	28,786
82	3,771	3,635	2,292	3,582	4,610	3,715	1,000	4,684	3,123	2,293	32,704
83	2,371	2,300	2,292	1,000	2,225	3,715	2,233	3,469	4,523	3,643	27,770
84	2,371	2,300	2,292	2,269	1,000	2,330	2,233	2,387	3,123	3,643	23,948
85	3,771	3,635	3,676	3,582	4,610	2,330	3,535	4,684	3,123	3,643	36,588
86	3,771	1,000	2,292	3,582	2,225	3,715	3,535	4,684	4,523	3,643	32,969
87	1,000	2,300	2,292	2,269	3,328	3,715	2,233	4,684	4,523	2,293	28,636
88	2,371	3,635	3,676	2,269	2,225	2,330	3,535	2,387	3,123	2,293	27,845
89	2,371	2,300	2,292	3,582	4,610	2,330	3,535	4,684	4,523	1,000	31,227
90	3,771	2,300	1,000	3,582	2,225	2,330	2,233	2,387	3,123	2,293	25,243
91	2,371	2,300	3,676	2,269	3,328	3,715	1,000	2,387	3,123	2,293	26,462
92	3,771	3,635	2,292	3,582	4,610	3,715	3,535	4,684	3,123	3,643	36,589
93	2,371	3,635	2,292	3,582	3,328	3,715	2,233	4,684	1,000	1,000	27,840
94	1,000	2,300	2,292	2,269	3,328	2,330	3,535	4,684	1,925	2,293	25,956
95	3,771	1,000	3,676	2,269	4,610	2,330	2,233	3,469	1,925	2,293	27,576
96	1,000	2,300	3,676	3,582	3,328	3,715	2,233	3,469	3,123	1,000	27,426
97	3,771	2,300	2,292	1,000	3,328	1,000	2,233	3,469	4,523	2,293	26,208



p10	Pearson Correlation	,519**	,493**	,524**	,465**	,518**	,391*	,320	,653**	,307	1	,710**
	Sig. (2- tailed)	,003	,006	,003	,010	,003	,033	,085	,000	,099		,000
	N	30	30	30	30	30	30	30	30	30	30	30
total	Pearson Correlation	,722**	,791**	,700**	,663**	,775**	,657**	,750**	,741**	,581**	,710**	1
	Sig. (2- tailed)	,000	,000	,000	,000	,000	,000	,000	,000	,001	,000	
	N	30	30	30	30	30	30	30	30	30	30	30

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

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

**Lampiran 17**  
**Data Uji Validitas Beban Kerja**

**Correlations**

	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	total
p1 Pearson Correlation	1	,827**	,744**	,695**	,581**	,645**	,683**	,695**	,627**	,675**	,902**
Sig. (2-tailed)		,000	,000	,000	,001	,000	,000	,000	,000	,000	,000
N	30	30	30	30	30	30	30	30	30	30	30
p2 Pearson Correlation	,827**	1	,613**	,706**	,541**	,538**	,635**	,701**	,633**	,666**	,865**
Sig. (2-tailed)	,000		,000	,000	,002	,002	,000	,000	,000	,000	,000
N	30	30	30	30	30	30	30	30	30	30	30
p3 Pearson Correlation	,744**	,613**	1	,659**	,372*	,597**	,568**	,400*	,651**	,613**	,775**
Sig. (2-tailed)	,000	,000		,000	,043	,000	,001	,029	,000	,000	,000
N	30	30	30	30	30	30	30	30	30	30	30
p4 Pearson Correlation	,695**	,706**	,659**	1	,499**	,425*	,467**	,547**	,538**	,711**	,786**
Sig. (2-tailed)	,000	,000	,000		,005	,019	,009	,002	,002	,000	,000
N	30	30	30	30	30	30	30	30	30	30	30
p5 Pearson Correlation	,581**	,541**	,372*	,499**	1	,594**	,476**	,543**	,580**	,502**	,723**
Sig. (2-tailed)	,001	,002	,043	,005		,001	,008	,002	,001	,005	,000
N	30	30	30	30	30	30	30	30	30	30	30
p6 Pearson Correlation	,645**	,538**	,597**	,425*	,594**	1	,574**	,637**	,629**	,395*	,755**
Sig. (2-tailed)	,000	,002	,000	,019	,001		,001	,000	,000	,031	,000
N	30	30	30	30	30	30	30	30	30	30	30
p7 Pearson Correlation	,683**	,635**	,568**	,467**	,476**	,574**	1	,638**	,460*	,534**	,754**
Sig. (2-tailed)	,000	,000	,001	,009	,008	,001		,000	,011	,002	,000
N	30	30	30	30	30	30	30	30	30	30	30
p8 Pearson Correlation	,695**	,701**	,400*	,547**	,543**	,637**	,638**	1	,572**	,589**	,798**
Sig. (2-tailed)	,000	,000	,029	,002	,002	,000	,000		,001	,001	,000
N	30	30	30	30	30	30	30	30	30	30	30
p9 Pearson Correlation	,627**	,633**	,651**	,538**	,580**	,629**	,460*	,572**	1	,597**	,794**

	Sig. (2-tailed)	,000	,000	,000	,002	,001	,000	,011	,001		,000	,000
	N	30	30	30	30	30	30	30	30	30	30	30
p10	Pearson Correlation	,675**	,666**	,613**	,711**	,502**	,395*	,534**	,589**	,597**	1	,794**
	Sig. (2-tailed)	,000	,000	,000	,000	,005	,031	,002	,001	,000		,000
	N	30	30	30	30	30	30	30	30	30	30	30
total	Pearson Correlation	,902**	,865**	,775**	,786**	,723**	,755**	,754**	,798**	,794**	,794**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	
	N	30	30	30	30	30	30	30	30	30	30	30

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

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



**Lampiran 18**  
**Data Uji Validitas Kelelahan Kerja**

**Correlations**

	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	total
p1 Pearson Correlation	1	,401*	,586**	,596**	,392*	,446*	,320	,447*	,564**	,462*	,729*
Sig. (2-tailed)		,028	,001	,001	,032	,014	,084	,013	,001	,010	,000
N	30	30	30	30	30	30	30	30	30	30	30
p2 Pearson Correlation	,401*	1	,523**	,421*	,462*	,406*	,621**	,608**	,286	,300	,687*
Sig. (2-tailed)	,028		,003	,021	,010	,026	,000	,000	,126	,107	,000
N	30	30	30	30	30	30	30	30	30	30	30
p3 Pearson Correlation	,586*	,523**	1	,525**	,531**	,466**	,555**	,625**	,325	,312	,743*
Sig. (2-tailed)	,001	,003		,003	,003	,009	,001	,000	,080	,093	,000
N	30	30	30	30	30	30	30	30	30	30	30
p4 Pearson Correlation	,596*	,421*	,525**	1	,641**	,618**	,495**	,549**	,576**	,400*	,801*
Sig. (2-tailed)	,001	,021	,003		,000	,000	,005	,002	,001	,028	,000
N	30	30	30	30	30	30	30	30	30	30	30
p5 Pearson Correlation	,392*	,462*	,531**	,641**	1	,552**	,678**	,631**	,279	,219	,727*
Sig. (2-tailed)	,032	,010	,003	,000		,002	,000	,000	,135	,244	,000
N	30	30	30	30	30	30	30	30	30	30	30
p6 Pearson Correlation	,446*	,406*	,466**	,618**	,552**	1	,245	,670**	,647**	,497**	,763*
Sig. (2-tailed)	,014	,026	,009	,000	,002		,192	,000	,000	,005	,000
N	30	30	30	30	30	30	30	30	30	30	30
p7 Pearson Correlation	,320	,621**	,555**	,495**	,678**	,245	1	,580**	,258	,062	,648*
Sig. (2-tailed)	,084	,000	,001	,005	,000	,192		,001	,169	,745	,000
N	30	30	30	30	30	30	30	30	30	30	30
p8 Pearson Correlation	,447*	,608**	,625**	,549**	,631**	,670**	,580**	1	,538**	,447*	,833*
Sig. (2-tailed)	,013	,000	,000	,002	,000	,000	,001		,002	,013	,000
N	30	30	30	30	30	30	30	30	30	30	30
p9 Pearson Correlation	,564*	,286	,325	,576**	,279	,647**	,258	,538**	1	,666**	,718*

	Sig. (2-tailed)	,001	,126	,080	,001	,135	,000	,169	,002		,000	,000
	N	30	30	30	30	30	30	30	30	30	30	30
p10	Pearson Correlation	,462*	,300	,312	,400*	,219	,497**	,062	,447*	,666**	1	,618*
	Sig. (2-tailed)	,010	,107	,093	,028	,244	,005	,745	,013	,000		,000
	N	30	30	30	30	30	30	30	30	30	30	30
tota l	Pearson Correlation	,729*	,687**	,743**	,801**	,727**	,763**	,648**	,833**	,718**	,618**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	
	N	30	30	30	30	30	30	30	30	30	30	30

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

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



p9	Pearson Correlation	,442*	,356	,651**	,546**	,513**	,425*	,252	,476**	1	,582**	,732**
	Sig. (2-tailed)	,014	,053	,000	,002	,004	,019	,179	,008		,001	,000
	N	30	30	30	30	30	30	30	30	30	30	30
p10	Pearson Correlation	,543**	,401*	,380*	,469**	,324	,463**	,269	,427*	,582**	1	,673**
	Sig. (2-tailed)	,002	,028	,038	,009	,081	,010	,151	,019	,001		,000
	N	30	30	30	30	30	30	30	30	30	30	30
total	Pearson Correlation	,761**	,625**	,761**	,796**	,734**	,615**	,663**	,774**	,732**	,673**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	
	N	30	30	30	30	30	30	30	30	30	30	30

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

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

**Lampiran 20**  
**Hasil Uji Reliabilitas Produktivitas Kerja**

**Reliability Statistics**

Cronbach's Alpha	N of Items
,890	10

**Lampiran 21**  
**Hasil Uji Reliabilitas Beban Kerja**

**Reliability Statistics**

Cronbach's Alpha	N of Items
,935	10

**Lampiran 22**  
**Hasil Uji Reliabilitas Kelelahan Kerja**

**Reliability Statistics**

Cronbach's Alpha	N of Items
,899	10

**Lampiran 23**  
**Hasil Uji Reliabilitas Keselamatan dan Kesehatan Kerja**

**Reliability Statistics**

Cronbach's Alpha	N of Items
,892	10

## Lampiran 24 Uji Normalitas

### One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual	
N		97	
Normal Parameters <sup>a,b</sup>	Mean	.0000000	
	Std. Deviation	1.47304371	
Most Extreme Differences	Absolute	.067	
	Positive	.065	
	Negative	-.067	
Test Statistic		.067	
Asymp. Sig. (2-tailed) <sup>c</sup>		.200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>c</sup>	Sig.	.337	
	99% Confidence Interval	Lower Bound	.325
		Upper Bound	.349

- a. Test distribution is Normal.  
 b. Calculated from data.  
 c. Lilliefors Significance Correction.  
 d. This is a lower bound of the true significance.

## Lampiran 25 Uji Multikolinieritas

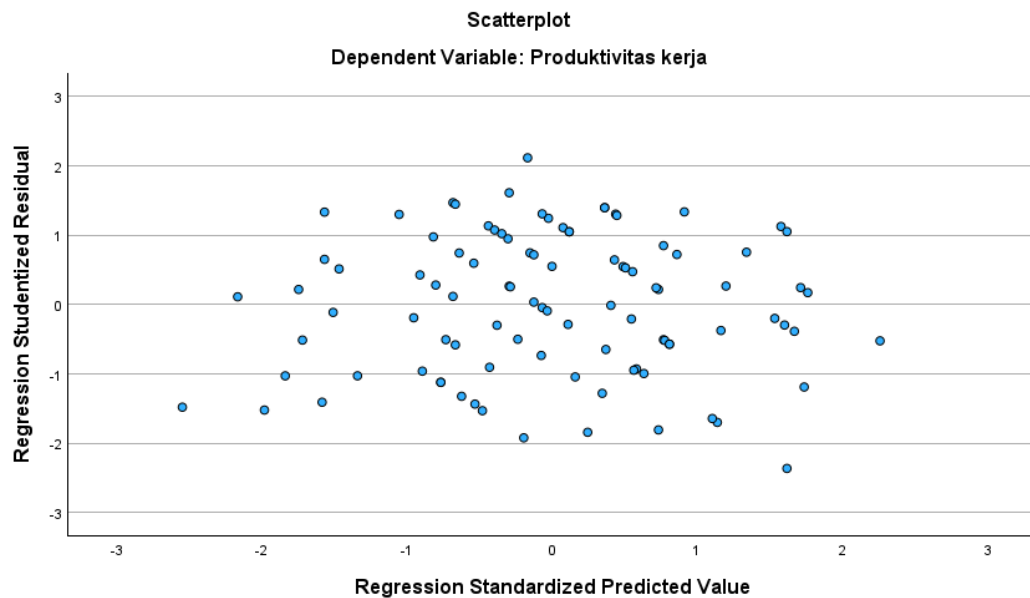
### Coefficients<sup>a</sup>

Model	Collinearity Statistics	
	Tolerance	VIF
1		
(Constant)		
Beban kerja	.645	1.550
Kelelahan kerja	.427	2.341
K3	.474	2.110

- a. Dependent Variable: Produktivitas kerja

## Lampiran 26

### Uji Heterokedasitas



## Lampiran 27

### Analisis Regresi Linear Berganda

**Coefficients<sup>a</sup>**

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	-.616	3.327		-.185	.854
Beban kerja	.289	.078	.281	3.682	.000
Kelelahan kerja	.475	.110	.403	4.301	.000
K3	.272	.096	.251	2.824	.006

a. Dependent Variable: Produktivitas kerja

**Lampiran 28**  
**Uji Signifikansi Parsial (Uji-t)**

Model	Coefficients <sup>a</sup>				
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	-.616	3.327		-.185	.854
Beban kerja	.289	.078	.281	3.682	,000
Kelelahan kerja	.475	.110	.403	4.301	,000
K3	.272	.096	.251	2.824	.006

a. Dependent Variable: Produktivitas kerja

**Lampiran 29**  
**Uji Signifikansi Simultan (Uji F-test)**

ANOVA <sup>a</sup>					
Model	Sum of Squares	df	Mean Square	F	Sig.
Regression	389.570	3	129.857	57.976	,000 <sup>b</sup>
Residual	208.306	93	2.240		
Total	597.876	96			

a. Dependent Variable: Produktivitas kerja

b. Predictors: (Constant), K3, Beban kerja, Kelelahan kerja

Sumber : Data diolah SPSS versi 25

**Lampiran 30**  
**Analisis Koefisien Determinasi**

Model Summary <sup>b</sup>					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.807 <sup>a</sup>	.652	.640	1.497	2.224

a. Predictors: (Constant), K3, Beban kerja, Kelelahan kerja

b. Dependent Variable: Produktivitas kerja