

LAMPIRAN

Lampiran 1. Riwayat Hidup Peneliti



Sari Suci Lestari biasa dipanggil Sari/Suci, lahir di Samarinda pada tanggal 23 February 2001 dari pasangan Bapak M. Arif Erlambang dan Nur Kholisoh. Peneliti merupakan anak kedua dari 2 bersaudara. Peneliti berasal dari Samarinda, Kecamatan Samarinda Utara Kalimantan Timur. Selama berkuliah di Samarinda, peneliti

berdomisili di Perumahan Bengkuring Kota Samarinda.

Peneliti menempuh pendidikan dari SD Negeri 042 Bengkuring Raya (2008-2013), selanjutnya melanjutkan pendidikan sekolah menengah pertama di SMP Negeri 29 Bengkuring (2014-2016), kemudian untuk pendidikan sekolah menengah kejuruan peneliti menyelesaikannya di SMK Kesehatan Samarinda Perjuangan (2017-2019), dan untuk pendidikan perguruan tinggi peneliti tempuh di Universitas Muhammadiyah Kalimantan Timur (UMKT) dari tahun 2019 sampai dengan sekarang.

Lampiran 2. Surat keterangan Izin Penelitian di UD. Alpha Moulding

 Kalimantan Timur	UMKT Program Studi Kesehatan Lingkungan Fakultas Kesehatan Masyarakat	Telp. 0541-748511 Fax.0541-766832 Website http://kesling.umkt.ac.id email. kesling@umkt.ac.id
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بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Nomor : 180/FIK.5/D.2/C/2023
Lampiran : 1 (satu) Lembar
Perihal : Permohonan Izin Penelitian

Kepada Yth.
Direktur UD. Alpha Moulding
di-
Tempat

Assalamu'alaikum Warahmatullahi Wabarakatuh

Ba'da salam semoga selalu dalam lindungan Allah SWT untuk dapat melaksanakan tugas sebagai amal ibadah.

Sehubungan dengan penyusunan tugas akhir Skripsi Mahasiswa Program Studi Kesehatan Lingkungan Fakultas Kesehatan Masyarakat Universitas Muhammadiyah Kalimantan Timur, Bersama ini kami sampaikan Permohonan izin untuk melaksanakan penelitian di UD. Alpha Moulding. Pelaksanaan waktu kegiatan akan disesuaikan dengan jadwal yang ditentukan oleh tempat yang Bapak/Ibu pimpin.

Adapun daftar nama mahasiswa dan judul skripsi terlampir. Demikian surat permohonan ini disampaikan, atas perhatian dan kerjasamanya kami ucapkan terima kasih.

Wassalamu'alaikum Warahmatullahi Wabarakatuh

Samarinda, 23 Dzulqaidah 1444 H
12 Juni 2023

Ketua Prodi S1 Kesehatan Lingkungan


Hansen, S.KM., M.KL.
NIDN. 0710087805



Kampus 1 : Jl. Ir. H. Juanda, No.15, Samarinda
Kampus 2 : Jl. Pelita, Pesona Mahakam, Samarinda




LAMPIRAN

Berikut nama mahasiswa Program Studi S1 Kesehatan Lingkungan yang akan melaksanakan penelitian :

NO.	NIM	NAMA MAHASISWA	JUDUL SKRIPSI
1	1911102414034	Sari Suci Lestari	Hubungan Penggunaan Alat Pelindung Diri (APD) Masker dengan Gangguan Fungsi Paru Pada Karyawan UD. Alfa Moulding

Lampiran 3. Surat Keterangan Permohonan Izin Pemeriksaan Alat Spirometri dan Petugas Sampling di UPTD Laboratorium Kesehatan Provinsi Kaltim

	UMKT Program Studi Kesehatan Lingkungan Fakultas Kesehatan Masyarakat	Telp. 0541-748511 Fax.0541-766832 Website http://kesling.umkt.ac.id email. kesling@umkt.ac.id
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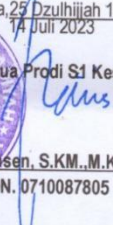
بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ


Nomor : 247/FIK.5/C.6/C/2023
Lampiran : 1 (satu) Lembar
Perihal : Permohonan Izin Melakukan Pemeriksaan dengan Alat Spirometri & Petugas Sampling

Kepada Yth.
Kepala UPTD Laboratorium Kesehatan Provinsi Kalimantan Timur
di-
Samarinda

Assalamu'alaikum Warahmatullahi Wabarakatuh
Ba'da salam semoga selalu dalam lindungan Allah SWT untuk dapat melaksanakan tugas sebagai amal ibadah.
Sehubungan dengan pelaksanaan penelitian Mahasiswa Program Studi Kesehatan Lingkungan Fakultas Kesehatan Masyarakat Universitas Muhammadiyah Kalimantan Timur, Bersama ini kami sampaikan Permohonan Izin Melakukan Pemeriksaan Dengan Alat Spirometri dan Petugas Sampling. Pelaksanaan waktu kegiatan akan disesuaikan dengan jadwal yang ditentukan oleh tempat yang Bapak/Ibu pimpin.
Adapun daftar nama mahasiswa dan judul penelitian terlampir. Demikian surat permohonan ini disampaikan, atas perhatian dan kerjasamanya kami ucapkan terima kasih.
Wassalamu'alaikum Warahmatullahi Wabarakatuh

Samarinda, 25 Dzulhijjah 1444 H
14 Juli 2023


Ketua Prodi S1 Kesehatan Lingkungan
Hansan, S.KM.,M.KL
NIDN. 0710087805



Kampus 1 : Jl. Ir. H. Juanda, No.15, Samarinda
Kampus 2 : Jl. Pelita, Pesona Mahakam, Samarinda

Lampiran 4. Surat Balasan Dari UPTD Laboratorium Kesehatan Provinsi Kaltim



PEMERINTAH PROVINSI KALIMANTAN TIMUR
DINAS KESEHATAN
UPTD. LABORATORIUM KESEHATAN

KHA. Dahlan No. 27, Telp: (0541) 741732, Fax: (0541) 205754 SAMARINDA 75117



Samarinda, 14 Juli 2023

Nomor : 870/1657/TU
Lampiran : -
Perihal : Balasan Permohonan Izin
Melakukan Pemeriksaan dengan
Alat Spirometri & Petugas Sampling

Kepada Yth.
Ketua Prodi Kesehatan Lingkungan
Fakultas Kesehatan Masyarakat
UMKT
di -
tempat

Dengan Hormat,

Menindaklanjuti surat nomor 247/FIK.5/C.6/C/2023 perihal Permohonan Izin Melakukan Pemeriksaan dengan Alat Spirometri & Petugas Sampling tanggal 14 Juli 2023 pada dasarnya kami memberikan izin kepada mahasiswi tersebut untuk melakukan pemeriksaan sesuai tarif yang sudah ditentukan dengan jadwal menyesuaikan petugas yang akan mendampingi sesuai permintaan.

Demikian kami sampaikan, atas perhatian dan kerjasamanya diucapkan terima kasih.

Kepala,



Ditandatangani secara elektronik oleh:

Aqus Joko Praptomo, S.Si, M.Si
Pembina Utama Muda (IV/c)

Kepala UPTD. Labkes. Prov. Kaltim

Lampiran 5. Hasil Uji SPSS

Jenis Kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-Laki	7	70,0	70,0	70,0
	Perempuan	3	30,0	30,0	100,0
	Total	10	100,0	100,0	

Usia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	< 50 Tahun	6	60,0	60,0	60,0
	> 50 Tahun	4	40,0	40,0	100,0
	Total	10	100,0	100,0	

Gangguan Fungsi Paru

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Normal	7	70,0	70,0	70,0
	Tidak Normal	3	30,0	30,0	100,0
	Total	10	100,0	100,0	

APD Masker

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Penggunaan APD Baik	7	70,0	70,0	70,0
	Penggunaan APD Tidak Baik	3	30,0	30,0	100,0
	Total	10	100,0	100,0	

APD Masker * Gangguan Fungsi Paru Crosstabulation

		Gangguan Fungsi Paru		Total	
		Normal	Tidak Normal		
APD Masker	Penggunaan APD Baik	Count	6	1	7
		Expected Count	4,9	2,1	7,0
		% within APD Masker	85,7%	14,3%	100,0%
	Penggunaan APD Tidak Baik	Count	1	2	3
		Expected Count	2,1	,9	3,0
		% within APD Masker	33,3%	66,7%	100,0%
Total	Count	7	3	10	
	Expected Count	7,0	3,0	10,0	
	% within APD Masker	70,0%	30,0%	100,0%	

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,744 ^a	1	,098		
Continuity Correction ^b	,816	1	,366		
Likelihood Ratio	2,657	1	,103		
Fisher's Exact Test				,183	,183
Linear-by-Linear Association	2,469	1	,116		
N of Valid Cases	10				


a. 4 cells (100.0%) have expected count less than 5. The minimum expected count is .90.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for APD Masker (Penggunaan APD Baik / Penggunaan APD Tidak Baik)	12,000	,489	294,569
For cohort Gangguan Fungsi Paru = Normal	2,571	,505	13,106
For cohort Gangguan Fungsi Paru = Tidak Normal	,214	,029	1,557
N of Valid Cases	10		

Lampiran 6. Lembar Perbaikan Skripsi


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Website <http://kesling.umkt.ac.id>
email: kesling@umkt.ac.id

UNIVERSITAS MUHARAMMADHIN
KALIMANTAN TIMUR

LEMBAR PERBAIKAN
DRAFT SKRIPSI

Nama Mahasiswa : Sari Suci Lestari
NIM : 1911102414034
Judul Skripsi : HUBUNGAN PENGGUNAAN ALAT PELINDUNG
(APD) MASKER DENGAN GANGGUAN FUNGSI
PARU PADA KARYAWAN UD. ALFHA MOULDING

No.	Nama Penguji	Perbaikan	Tindak lanjut	TTD
1.	Pak Deny Kurniawan, S.Hut., MP	a. Memperbaiki kembali BAB 1 Pendahuluan. b. Memperbaiki kembali <i>State Of Art</i> . c. Memperbaiki kembali Kriteria Objektif. d. Memperbaiki kembali Daftar Pustaka. e. Memperbaiki kembali Kuesioner.	a. Perbaiki BAB 1 Pendahuluan. b. Perbaiki <i>State Of Art</i> . c. Perbaiki Kriteria Objektif. d. Perbaiki Daftar Pustaka. e. Perbaiki Kuesioner.	

Kampus 1 : Jl. Ir. H. Juanda, No.15, Samarinda



UMKKT
Program Studi
Kesehatan Lingkungan

Fakultas Kesehatan Masyarakat

telep. 0541-746511 fax.0541-766632

Website <http://kesling.umkt.ac.id>

email: kesling@umkt.ac.id


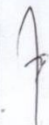

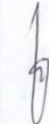








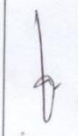

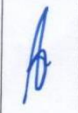


2.	Pak Hansen, S.KM., M.KL	<ul style="list-style-type: none">a. Memperbaiki kembali tujuan khusus.b. Memperbaiki kembali tabel <i>State Of Art</i>.c. Memperbaiki kembali kerangka konsep.d. Memperbaiki kembali bagian sampel.e. Memperbaiki kembali tabel definisi operasional dan kriteria objektif.f. Menambahi uji etik.g. Memperbaiki kembali instrument penelitian.	<ul style="list-style-type: none">a. Perbaiki tujuan khusus.b. Perbaiki tabel <i>State Of Art</i>.c. Perbaiki kerangka konsep.d. Perbaiki bagian sampel.e. Perbaiki tabel definisi operasional dan kriteria objektif.f. Ditambah uji etik.g. Perbaiki instrument penelitian.	
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Lampiran 7. Logbook Bimbingan Skripsi

KARTU BIMBINGAN SKRIPSI

Nama Mahasiswa : Siti Suci Iestari
 NIM : 1911102414034
 Pembimbing : Herson S.Kom, M.Kl

No.	Tanggal	Materi Bimbingan	Arahan/Saran	Paraf	
				Mahasiswa	Dosen
1.	10/01/2023 Selasa	membahas terkait dengan tema yang akan diambil	tema terkait pemukiman dan pemukiman air (Tema Besar)		
2.	12/01/2023 Kamis	lanjutan pembahasan terkait dengan tema besar.	pemukiman udara		
3.	25/01/2023	membahas terkait industri kayu di kelas PT. Alfamartling.	penelitian terkait APD dengan gangguan fungsi paru di PT. Alfamartling.		
4.	27/02/2023 Kamis	konsultasi terkait proposal skripsi	revisi menambahkan latar belakang.		
5.	9/3/2023 Kamis	konsultasi terkait proposal skripsi	menambahkan alasan terkait pengambilan APD di latar belakang		

6.	24-maret-2023 Jum'at	konsultasi terkait proposal	mengganti DO dan kesioner		
7.	30-3-2023 Kamis	konsultasi terkait proposal	mengganti DO dan kesioner		
8.	31-3-2023 Jumat	konsultasi terkait proposal	di acc		
9.	selasa 25 Juli 2023	konsultasi terkait skripsi tentang SPSS hasilnya	memperbaiki tabel hasil		
10.	31 Juli 2023 senin	konsultasi terkait skripsi	memperbaiki lampiran dan di acc		

Lampiran 8. Jurnal Penelitian



JURNAL KESEHATAN MASYARAKAT (e-Journal)
Volume 5, Nomor 5, Oktober 2017 (ISSN: 2356-3346)
<http://ejournal3.undip.ac.id/index.php/jkm>

HUBUNGAN ANTARA KADAR DEBU TOTAL DAN *PERSONAL HYGIENE* DENGAN GANGGUAN FUNGSI PARU PADA PEKERJA PENGOLAHAN KAYU DI CV INDO JATI UTAMA SEMARANG

Lisa Okta Permatasari, Mursid Raharjo, Tri Joko

Bagian Kesehatan Lingkungan, Fakultas Kesehatan Masyarakat
Universitas Diponegoro

Email: permatasarioktalisa@gmail.com

ABSTRACT

The wood processing industry has the potential to cause air pollution in the workplace in the form of wood dust. The purpose of this study was to analyze the relationship between total dust content and personal hygiene with pulmonary function disorder in wood processing workers in CV Indo Jati Utama Semarang using cross sectional design. The population in this study is the air that exists in the work environment of the company along with 65 workers from five parts in the wood processing industry. The sample of this research is 5 point of air sample location with 38 respondents who have fulfilled the inclusion criteria. Of the 38 workers it was found that 9 workers had normal function (23.7%), 2 workers had severe restriction (5.3%), 10 workers had moderate restriction disorder (26.3%), 15 workers had mild restriction (39, 5%) and 2 workers had severe obstruction (5.3%). The result of the research with fisher exact test showed that there was correlation of total dust content ($p = 0,040$), respirable dust level ($p = 0,036$), and use of Personal Protective Equipment (PPE) ($p = 0,021$). Inhaled dust levels are risk factors for lung function impairment ($RP = 2.714$; $RP > 1$). The conclusion in this research is there is correlation of total dust content, respirable dust level, and usage of PPE in wood processing worker at CV Indo Jati Utama Semarang.

Keyword: Work Environment, Home Workers, Work Related Complaints

**PENGGUNAAN ALAT PELINDUNG DIRI (APD) MASKER DENGAN GANGGUAN
SALURAN PERNAPASAN PADA PEKERJA DI PT BOKORMAS
KOTA MOJOKERTO**

Abdul Muhith, Program Studi Keperawatan STIKes Majapahit
e-mail: abdulmuhith1979@gmail.com
Mujib Hannan, Program Studi Keperawatan Universitas Wiraraja
e-mail: Mujib@wiraraja.ac.id
Nurul Mawaddah, Program Studi Keperawatan STIKes Majapahit
e-mail: mawaddah.ners@gmail.com
Citra Astri Aqnata, Program Studi Keperawatan STIKes Majapahit
e-mail: Aqnata@gmail.com

ABSTRACT

Indonesia has an interest in Health and Safety. One of them is the increasing of occupational diseases due to the combination of various factors ie labor and work environment such as dust, steam, and gas that can disrupt productivity and health. The purpose of this study is to analyze the relationship between the use of personal protective equipment (PPE) mask with respiratory disorders in workers at PT. Bokormas Mojokerto City.

This research use analytic survey method with cross sectional approach with sampling technique used is simple random sampling with research object amounting to 47 workers in part Process SKAND Subscription, Patri, Tobacco Process, Tobacco Process II. Data collection using questionnaire use PPE Mask and respiratory disruption and observation sheet.

Data were analyzed by Spearman Rank correlation test. The study was conducted from February to April 2017. The result of the research shows that most of PT Bokormas workers have negative behavior in the use of personal protective equipment more that is (51,1%) and most of the workers have respiratory diseases complaints in category \geq Average that is 25 people. Calculation of Spearman Rank statistical test with a significant level value $\alpha = 0.05$ obtained results $r = 0.013$. Which means smaller than the significant level ($0.031 < 0.05$) then H_0 is rejected.

There is a significant relationship between the use of mask self-protective equipment with respiratory disorders in workers of PT Bokormas Mojokerto City. It is expected that PT Bokormas workers have a positive attitude in using mask self-protective equipment, then it will be able to reduce or minimize the risk of disruption or disease associated with the respiratory tract.

Keywords: mask self-protective equipment, respiratory disorders, workers

**FAKTOR FAKTOR YANG BERHUBUNGAN DENGAN KEPATUHAN
PENGUNAAN ALAT PELINDUNG DIRI PADA PEKERJA REKANAN (PT. X)
DI PT INDONESIA POWER UP SEMARANG**

Andri Dwi Puji, Bina Kurniawan, Siswi Jayanti

Bagian Keselamatan dan Kesehatan Kerja, Fakultas Kesehatan Masyarakat
Universitas Diponegoro
Email: andridwipuji@yahoo.co.id

Abstract : *Personal Protective Equipment (PPE) is a device used by workers to protect themselves from potential hazards and workplace accidents that are likely to occur in the workplace. This study aims to analyze and describe the relationship between age, education, working period, knowledge, attitude, training, supervision, social support with the compliance of personal protective equipment on partner workers (PT. X) in PT. Indonesia Power UP Semarang. The research design used was analytic survey method with cross sectional approach. The population in this study is worker partner (PT. X) which amounted to 37 people. The sample of this study is taken from the total population. The research instrument used in this study is a questionnaire with closed questions. Statistical analysis use chi-square test. The results showed no age relationship ($p = 0,377$), education ($p = 0,742$), work period ($p = 0,638$), training ($p = 0,417$), supervision ($p = 0,417$) with compliance of APD usage. There is a relation between knowledge ($p = 0,008$), attitude ($p = 0,009$), social support ($p = 0,031$) with compliance of APD usage. The Company should giving a firm Punishment to workers who do not use PPE as specified in the work permit in the form of oral or written warning or in the form of a fine. Provide rewards to workers who use the complete personal protective equipment in accordance with the stipulated in the work permit is in the form of a charter or in the form of money to workers who always pay attention and apply occupational safety and health at work, and hold safety communication as a safety briefing every morning before doing regular and scheduled work.*

Key Words : *Personal Protective Equipment, compliance, partner*

HUBUNGAN KADAR DEBU TERHIRUP DENGAN GANGGUAN FUNGSI PARU PADA PEKERJA INDUSTRI MEBEL PT MARLENY JEPARA

Nabilla Rachma Anjani *, Mursid Raharjo **, Budiyo **

*) Mahasiswa Peminatan Kesehatan Lingkungan, Fakultas Kesehatan Masyarakat, Universitas Diponegoro

**) Dosen Peminatan Kesehatan Lingkungan, Fakultas Kesehatan Masyarakat, Universitas Diponegoro

Jalan Prof. H. Soedarto, SH, Tembalang, Kota Semarang 50239, Indonesia

*) Email: nabillarachmaanajani@gmail.com

ABSTRACT

Lung function disorder is one of the most common occupational diseases that cause of morbidity and mortality worldwide. Furniture industry workers are workers with high levels of dust exposure and are at risk of developing lung function disorders. Based on the results of a preliminary study at PT Marleny Jepara showed that the total dust value in 3 parts of furniture production exceeded the quality standards set in the sanding section of 1200.855 $\mu\text{g}/\text{Nm}^3$, finishing section 970.085 $\mu\text{g}/\text{Nm}^3$, seat section 474.359 $\mu\text{g}/\text{Nm}^3$. This research aims to analyze the association of respirable dust exposure and lung function disorders on furniture industry workers of PT Marleny Jepara. This research was an observational research with a cross sectional approach. Population of this research were 42 workers with inclusion criteria at furniture industry PT Marleny Jepara, meanwhile the samples were 30 workers by simple random sampling. Data were analyzed by using Chi Square test with $\alpha = 0.05$. The results showed there were 82.6% respondents with respirable dust exposure above the TLV had lung function disorder. The most common type lung function of respondents was mild restriction (85.7%). There were a significant association between respirable dust exposure (p value = 0.014) and lung function disorder. The research can be concluded that the respondents with the respirable dust value above TLV had a greater risk of having lung function disorder.

Keywords : *respirable dust level, wood processing industry, lung function disorder, restriction, Jepara*

HUBUNGAN PAPARAN DEBU TERHIRUP DENGAN GANGGUAN FUNGSI PARU PADA PEKERJA PERTAMBANGAN PASIR DAN BATU PERUSAHAAN X ROWOSARI KOTA SEMARANG

Laeila Apsari, Budiyo, Onny Setiani

Bagian Kesehatan Lingkungan, Fakultas Kesehatan Masyarakat
Universitas Diponegoro

Email: leilaapsari@gmail.com

ABSTRACT

The sand and stone mining industry has potential to produced a dust. The dust that produced has potential exposure to their workers and caused lung function disorder. The concentrations of total dust, PM_{10} , $PM_{2.5}$ were $224.3 \mu\text{g}/\text{Nm}^3$, $181.7 \mu\text{g}/\text{Nm}^3$ and $153.7 \mu\text{g}/\text{Nm}^3$. This study aimed to analyzed association between respirable dust and lung function disorder on sand and rock mining workers at X Company Rowosari, Semarang City. This was an observational research with cross sectional design with total sample 31 people. This research was conducted at Rowosari Semarang City with research instrument as questionnaire to interview personal characteristic, personal dust sampler to measure exposure of personal respirable dust and spirometer for pulmonary function test. Data were analyzed using the Chi Square Test at $\alpha = 5\%$. Results showed that 38.7% of workers had lung function disorder (25.8% restriction, and 12.9% obstruction). Duration of exposure to dust tended to be a risk of lung function disorder at sand and rock mining workers ($p=0.046$; $PR=5.238$; $95\%CI=0.78-35.15$). The variables that tended to be a risk factor of lung function disorder were nutritional status ($p=1.00$; $PR=1.153$; $95\%CI=0.46-2.85$), working period ($p=0.691$; $PR=1.444$; $95\%CI=0.55-3.79$) and exercise habits ($p=1.00$; $PR=1.179$; $95\%CI=0.22-6.23$). Variables that to be a protective factor were respirable dust exposure ($p=1.00$; $PR=0.989$; $95\%CI=0.4-2.43$), age ($p=1.00$; $PR=0.875$; $95\%CI=0.32-2.38$), smoking habit ($p=0.139$; $PR=0.556$; $95\%CI=0.39-0.78$) and use of PPE ($p=1.00$; $PR=0.875$; $95\%CI=0.32-2.38$). The conclusion of this study there is no association between respirable dust exposure and lung function disorder on sand and rock mining workers at X Company in Rowosari Semarang City.

Keywords: Respirable dust, lung function disorder, sand and rock mining

Lampiran 9. Keterangan Kode Etik



KOMITE ETIK
PENELITIAN KESEHATAN
UNIVERSITAS MUHAMMADIYAH KALIMANTAN TIMUR
Jl. Ir. H. Juanda No.15 Samarinda 75124 Telp. 0541-748511 Email : kepk@umkt.ac.id



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

SURAT KETERANGAN PERSETUJUAN KELAYAKAN ETIK

NO. 018/KEPK-UMKT/I/2023

DIBERIKAN PADA PENELITI :

Hansen
Sari Suci Lestari
Muhammad Roofiif Hidayat
Nisa

JUDUL :

**Faktor yang Berhubungan dengan Gangguan Fungsi Paru
Pada Pekerja Kayu PT. Alpha Moulding Kota Samarinda**

Universitas Muhammadiyah Kalimantan Timur

Samarinda, 18 Juli 2023

Ketua KEPK UMKT



Ghozali M.H., M.Kes., PhD

Anggota :

Marjan Wahyuni, SKM., M.Si

Sri Sunarti, S.KM., MPH

Ns. Alfi Ari Fakhur Rizal, M.Kep

Lampiran 10. Penggunaan Alat Pelindung Diri (APD) Masker

No	Nama Inisial	FEV1	FVC	FEV1/FVC	Kategori	Penggunaan APD Masker
1.	M	99%	108%	98%	Normal	Menggunakan masker tidak baik
2.	M	106%	138%	81%	Normal	Menggunakan masker tidak baik
3.	S	73%	71%	110%	Normal	Menggunakan masker yang baik
4.	E	88%	77%	118%	Normal	Menggunakan masker tidak baik
5.	S	31%	77%	42%	Tidak Normal	Menggunakan masker yang baik
6.	N	37%	68%	57%	Tidak Normal	Menggunakan masker yang baik
7.	A	86%	93%	96%	Normal	Menggunakan masker yang baik
8.	S	112%	128%	94%	Normal	Menggunakan masker yang baik
9.	J	10%	12%	23%	Tidak Normal	Menggunakan masker yang baik
10.	A	87%	98%	77%	Normal	Menggunakan masker yang baik

Lampiran 11. Lembar Kuesioner Penelitian

LEMBAR OBSERVASI

“HUBUNGAN PENGGUNAAN ALAT PELINDUNG DIRI (APD) MASKER DENGAN GANGGUAN FUNGSI PARU PADA KARYAWAN UD. ALFHA MOULDING”

KUESIONER PENELITIAN

Identitas Responden :

No Responden :

Nama Responden :

Umur Responden :

Lama Pekerja Responden :

Masa Kerja Responden :

Berat Badan Responden :

Tinggi Badan Responden :

Hasil Pemeriksaan Fungsi Paru Responden :

- a. FEV1 :
- b. FVC :
- c. FEV1/FVC :

Berikanlah tanda (√) pada jawaban yang menurut anda Ya atau Tidak.

No	Penggunaan APD	Ya	Tidak
1.	Apakah Responden menggunakan masker		

Lampiran 12. Dokumentasi Kegiatan Penelitian



Alat Spirometri



Pemeriksaan Fungsi Paru



Ruangan Bagian Produksi



Foto Bersama Petugas Sampling dan Responden

Lampiran 13. Hasil Uji Turnitin

**SKRIPSI: Sari Suci Lestari:
Hubungan Penggunaan Alat
Pelindung Diri (APD) Masker
Dengan Gangguan Fungsi Paru
Pada Karyawan UD. Alfha
Moulding**

by Universitas Muhammadiyah Kalimantan Timur

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