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APPENDICES

Appendix 1: Questionnaire

Respondent Profile

Age :

- 18-25
- 26-33
- 34-41
- 42-49
- 50-57
- >58

Gender :

- Male
- Female
- Prefer not to say

Working Period :

- <1 year
- 1-3 years
- 3-5 years
- >5 years

Do you work in the construction sector in the Jakarta area?

- Yes
- No

The Questionnaires of Variable Items

No.	Safety Management Practices	1	2	3	4	5
1	Safety meeting was not attended by a management member.					
2	My manager or supervisor does not show an interest in employee safety.					

3	Training in learning safety rules and procedures for newcomers is insufficient at my workplace.					
4	I am not adequately trained to respond to emergency situations in my workplace.					
5	Employee involvement in safety issues is constrained by management.					
6	Employees do not sincerely participate in identifying safety problem.					
7	My company does not have a system or procedures for reporting hazards where workers can deliver hazard information prior to the accidents.					
8	Goals and objectives for safety in my organization are not clear to employees.					
9	Safety rules and procedures are available at my workplace.					
10	Facilities in the safety department are insufficient to meet the needs of my organization.					
11	In my company, employees are rewarded for reporting safety hazards.					
12	My supervisor becomes very unkind and angry when the employee knows and reports the unsafe situation and acts on herself or himself.					
No.	Workers Safety Attitude	1	2	3	4	5
1	It is necessary for every worker to know about occupational safety rules.					
2	It is impossible to do the jobs in a safe manner in some situations.					
3	It is not my business that other employees do not pay attention to safety issues.					
4	I feel that accident depends on person's chance.					
5	Working in a safety manner does not influence the safety of the whole my company.					

6	Some safety rules and procedures are impractical for me to follow.					
No.	Work Fatigue	1	2	3	4	5
1	I feel my physical functioning become lower since I took this job (such as often to feel head and body aches).					
2	I tend to have poor task performance because I feel physically tired.					
3	I feel difficult to stay concentrate on my works.					
4	Sometimes I forget to remember important details.					
5	My daily tasks often leave me feeling hopeless.					
6	I feel frustrated by my job.					
No.	Work Accidents	1	2	3	4	5
1	I occasionally work while joking with other workers.					
2	I occasionally use the required Personal Protective Equipment (PPE).					
3	I have used work tools that are not suitable for the job and placed materials or equipment carelessly.					
4	Sometimes I do dangerous activities such as rushing, running, throwing, or jumping.					
5	Lack of warnings or hazard signs in my project environment.					
6	My work remain continues even if field conditions are unfavorable (rain or strong winds).					
7	The project I am working on has unclear instructions regarding the operation of tools or machines.					
8	Lack of inspections and control from supervisors in my workplace.					

Appendix 2: Data from Respondents

Safety Management Practices

No	SMP 1	SMP 2	SMP 3	SMP 4	SMP 5	SMP 6	SMP 7	SMP 8	SMP 9	SMP 10	SMP 11	SMP 12
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Workers Safety Attitude

No	WSA1	WSA2	WSA3	WSA4	WSA5	WSA6
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Work Fatigue

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Work Accident

No	WA1	WA2	WA3	WA4	WA5	WA6	WA7	WA8
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184	5	5	5	5	4	4	4	3
185	4	4	4	4	4	4	3	4
186	5	4	2	3	4	4	4	4
187	4	5	3	3	5	4	4	5
188	4	3	3	2	4	3	3	3
189	5	4	3	4	5	5	5	3
190	3	4	4	3	3	4	3	3
191	3	4	3	2	4	4	4	4
192	3	3	5	3	5	3	3	3
193	4	5	5	5	5	5	5	5
194	3	3	3	3	3	3	3	3
195	3	3	3	3	4	4	4	4
196	3	3	3	3	3	3	3	3
197	4	4	4	4	4	4	4	4
198	4	5	5	4	4	5	5	4
199	5	4	5	5	5	4	5	5
200	4	5	4	3	4	4	4	4
201	4	3	4	3	3	4	3	3
202	4	4	4	4	4	4	4	4
203	4	4	4	4	4	5	4	4
204	5	5	5	5	5	5	5	4
205	4	4	4	3	4	4	4	3
206	3	3	3	3	3	3	3	3
207	4	4	3	3	3	3	3	3
208	4	4	4	4	4	4	3	3
209	3	3	3	2	4	4	3	3
210	4	4	4	4	4	4	4	4
211	3	3	3	4	2	2	3	4
212	3	4	4	4	4	4	4	3
213	5	5	5	4	5	5	4	5
214	4	5	4	3	4	5	3	5
215	3	3	3	3	3	3	3	3

Appendix 3: SPSS Data Results

Descriptive Analysis

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SMP1	215	1.00	5.00	3.4326	1.05186
SMP2	215	1.00	5.00	3.3535	1.01653
SMP3	215	1.00	5.00	3.3349	1.06755
SMP4	215	1.00	5.00	3.3488	1.15774
SMP5	215	1.00	5.00	3.1442	1.01514
SMP6	215	1.00	5.00	3.5581	1.09165
SMP7	215	1.00	5.00	3.5256	1.05814
SMP8	215	1.00	5.00	3.5442	1.08802
SMP9	215	1.00	5.00	3.4233	1.04677
SMP10	215	1.00	5.00	4.0279	1.05864
SMP11	215	1.00	5.00	3.6837	1.02878
SMP12	215	1.00	5.00	3.5163	1.02240
WSA1	215	2.00	5.00	3.7721	.84232
WSA2	215	1.00	5.00	3.6651	1.00440
WSA3	215	2.00	5.00	3.8884	.89995
WSA4	215	1.00	5.00	3.9907	.88069
WSA5	215	1.00	5.00	3.7814	.87735
WSA6	215	2.00	5.00	3.9628	.84196
WF1	215	2.00	5.00	3.9860	.79999
WF2	215	1.00	5.00	3.8698	.89221
WF3	215	2.00	5.00	3.9256	.83947
WF4	215	2.00	5.00	3.9442	.78339
WF5	215	2.00	5.00	3.8791	.70663
WF6	215	2.00	5.00	3.6698	.80173
WA1	215	2.00	5.00	3.7349	.74848
WA2	215	2.00	5.00	3.8419	.76312
WA3	215	2.00	5.00	3.8326	.74248
WA4	215	2.00	5.00	3.6419	.78366
WA5	215	2.00	5.00	3.9116	.73409
WA6	215	2.00	5.00	3.8977	.74805
WA7	215	2.00	5.00	3.7209	.74022
WA8	215	2.00	5.00	3.6465	.74613
Valid N (listwise)	215				

Validity Test

c. Safety Management Practices (X1)

		Correlations												Safety Management Practices
		SMP1	SMP2	SMP3	SMP4	SMP5	SMP6	SMP7	SMP8	SMP9	SMP10	SMP11	SMP12	
SMP1	Pearson Correlation	1	.604**	.832**	.505**	.453**	.546**	.584**	.545**	.499**	.451**	.412**	.361**	.741**
	Sig. (2-tailed)		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP2	Pearson Correlation	.604**	1	.614**	.447**	.408**	.440**	.491**	.603**	.539**	.390**	.483**	.408**	.699**
	Sig. (2-tailed)	<.001		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP3	Pearson Correlation	.832**	.614**	1	.514**	.460**	.464**	.538**	.506**	.466**	.389**	.399**	.337**	.712**
	Sig. (2-tailed)	<.001	<.001		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP4	Pearson Correlation	.505**	.447**	.514**	1	.701**	.622**	.666**	.479**	.525**	.511**	.383**	.404**	.742**
	Sig. (2-tailed)	<.001	<.001	<.001		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP5	Pearson Correlation	.453**	.408**	.460**	.701**	1	.555**	.590**	.479**	.536**	.414**	.411**	.423**	.702**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP6	Pearson Correlation	.546**	.440**	.464**	.622**	.555**	1	.752**	.691**	.651**	.702**	.574**	.515**	.822**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001		<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP7	Pearson Correlation	.584**	.491**	.538**	.666**	.590**	.752**	1	.725**	.688**	.729**	.621**	.560**	.868**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001		<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP8	Pearson Correlation	.545**	.603**	.506**	.479**	.479**	.691**	.725**	1	.658**	.579**	.877**	.528**	.836**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001		<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP9	Pearson Correlation	.499**	.539**	.466**	.525**	.536**	.651**	.688**	.658**	1	.525**	.598**	.878**	.823**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001		<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP10	Pearson Correlation	.451**	.390**	.389**	.511**	.414**	.702**	.729**	.579**	.525**	1	.587**	.513**	.742**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001		<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP11	Pearson Correlation	.412**	.483**	.399**	.383**	.411**	.574**	.621**	.877**	.598**	.587**	1	.649**	.761**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001		<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
SMP12	Pearson Correlation	.361**	.408**	.337**	.404**	.423**	.515**	.560**	.528**	.878**	.513**	.649**	1	.714**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	
	N	215	215	215	215	215	215	215	215	215	215	215	215	215
Safety Management Practices	Pearson Correlation	.741**	.699**	.712**	.742**	.702**	.822**	.868**	.836**	.823**	.742**	.761**	.714**	1
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215	215	215	215	215

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

d. Worker Safety Attitude (X2)

		Correlations						Workers Safety Attitude
		WSA1	WSA2	WSA3	WSA4	WSA5	WSA6	
WSA1	Pearson Correlation	1	.765**	.706**	.551**	.116	.621**	.814**
	Sig. (2-tailed)		<.001	<.001	<.001	.091	<.001	<.001
	N	215	215	215	215	215	215	215
WSA2	Pearson Correlation	.765**	1	.708**	.482**	.166*	.604**	.816**
	Sig. (2-tailed)	<.001		<.001	<.001	.015	<.001	<.001
	N	215	215	215	215	215	215	215
WSA3	Pearson Correlation	.706**	.708**	1	.653**	.294**	.685**	.877**
	Sig. (2-tailed)	<.001	<.001		<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215
WSA4	Pearson Correlation	.551**	.482**	.653**	1	.384**	.693**	.810**
	Sig. (2-tailed)	<.001	<.001	<.001		<.001	<.001	<.001
	N	215	215	215	215	215	215	215
WSA5	Pearson Correlation	.116	.166*	.294**	.384**	1	.255**	.475**
	Sig. (2-tailed)	.091	.015	<.001	<.001	<.001		<.001
	N	215	215	215	215	215	215	215
WSA6	Pearson Correlation	.621**	.604**	.685**	.693**	.255**	1	.830**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	
	N	215	215	215	215	215	215	215
Workers Safety Attitude	Pearson Correlation	.814**	.816**	.877**	.810**	.475**	.830**	1
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215

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

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

e. Work Fatigue (X3)

		Correlations						
		WF1	WF2	WF3	WF4	WF5	WF6	Work Fatigue
WF1	Pearson Correlation	1	.587**	.604**	.670**	.419**	.291**	.788**
	Sig. (2-tailed)		<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215
WF2	Pearson Correlation	.587**	1	.773**	.665**	.345**	.305**	.825**
	Sig. (2-tailed)	<.001		<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215
WF3	Pearson Correlation	.604**	.773**	1	.726**	.394**	.297**	.846**
	Sig. (2-tailed)	<.001	<.001		<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215
WF4	Pearson Correlation	.670**	.665**	.726**	1	.427**	.231**	.822**
	Sig. (2-tailed)	<.001	<.001	<.001		<.001	<.001	<.001
	N	215	215	215	215	215	215	215
WF5	Pearson Correlation	.419**	.345**	.394**	.427**	1	.556**	.672**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001		<.001	<.001
	N	215	215	215	215	215	215	215
WF6	Pearson Correlation	.291**	.305**	.297**	.231**	.556**	1	.582**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001		<.001
	N	215	215	215	215	215	215	215
Work Fatigue	Pearson Correlation	.788**	.825**	.846**	.822**	.672**	.582**	1
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	
	N	215	215	215	215	215	215	215

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

f. Work Accident (Y)

		Correlations								
		WA1	WA2	WA3	WA4	WA5	WA6	WA7	WA8	Work Accident
WA1	Pearson Correlation	1	.605**	.517**	.538**	.484**	.427**	.566**	.398**	.735**
	Sig. (2-tailed)		<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA2	Pearson Correlation	.605**	1	.654**	.569**	.542**	.610**	.575**	.460**	.814**
	Sig. (2-tailed)	<.001		<.001	<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA3	Pearson Correlation	.517**	.654**	1	.651**	.547**	.575**	.493**	.407**	.785**
	Sig. (2-tailed)	<.001	<.001		<.001	<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA4	Pearson Correlation	.538**	.569**	.651**	1	.538**	.503**	.632**	.451**	.794**
	Sig. (2-tailed)	<.001	<.001	<.001		<.001	<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA5	Pearson Correlation	.484**	.542**	.547**	.538**	1	.681**	.591**	.482**	.786**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001		<.001	<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA6	Pearson Correlation	.427**	.610**	.575**	.503**	.681**	1	.564**	.404**	.771**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001		<.001	<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA7	Pearson Correlation	.566**	.575**	.493**	.632**	.591**	.564**	1	.581**	.810**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001		<.001	<.001
	N	215	215	215	215	215	215	215	215	215
WA8	Pearson Correlation	.398**	.460**	.407**	.451**	.482**	.404**	.581**	1	.676**
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001		<.001
	N	215	215	215	215	215	215	215	215	215
Work Accident	Pearson Correlation	.735**	.814**	.785**	.794**	.786**	.771**	.810**	.676**	1
	Sig. (2-tailed)	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	
	N	215	215	215	215	215	215	215	215	215

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

Reliability Test

g. Safety Management Practices (X1)

Reliability Statistics

Cronbach's Alpha	N of Items
.935	12

h. Worker Safety Attitude (X2)

Reliability Statistics

Cronbach's Alpha	N of Items
.862	6

i. Work Fatigue (X3)

Reliability Statistics

Cronbach's Alpha	N of Items
.851	6

j. Work Accident (Y)

Reliability Statistics

Cronbach's Alpha	N of Items
.903	8

Normality Test

k. Kolmogorov-Smirnov

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual	
N		215	
Normal Parameters ^{a,b}	Mean	.0000000	
	Std. Deviation	2.67102785	
Most Extreme Differences	Absolute	.048	
	Positive	.047	
	Negative	-.048	
Test Statistic		.048	
Asymp. Sig. (2-tailed) ^c		.200 ^d	
Monte Carlo Sig. (2-tailed) ^e	Sig.	.275	
	99% Confidence Interval	Lower Bound	.263
		Upper Bound	.286

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 299883525.

Multicollinearity Test

		Coefficients ^a					Collinearity Statistics	
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Tolerance	VIF
		B	Std. Error	Beta				
1	(Constant)	25.555	1.889		13.525	<.001		
	Safety Management Practices	-.105	.021	-.221	-4.987	<.001	.804	1.244
	Workers Safety Attitude	-.346	.049	-.308	-7.135	<.001	.845	1.184
	Work Fatigue	.733	.052	.579	13.967	<.001	.916	1.092

a. Dependent Variable: Work Accident

Heteroscedasticity Test

1. Glejser Test

		Coefficients ^a				
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.595	1.146		2.265	.025
	Safety Management Practices	.006	.013	.038	.498	.619
	Workers Safety Attitude	-.044	.029	-.110	-1.479	.141
	Work Fatigue	.011	.032	.024	.342	.733

a. Dependent Variable: Abs_Res

Multiple Regression & T-test

		Coefficients ^a				
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	25.555	1.889		13.525	<.001
	Safety Management Practices	-.105	.021	-.221	-4.987	<.001
	Workers Safety Attitude	-.346	.049	-.308	-7.135	<.001
	Work Fatigue	.733	.052	.579	13.967	<.001

a. Dependent Variable: Work Accident

F-test

		ANOVA ^a				
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3063.966	3	1021.322	141.148	<.001 ^b
	Residual	1526.759	211	7.236		
	Total	4590.726	214			

a. Dependent Variable: Work Accident

b. Predictors: (Constant), Work Fatigue, Workers Safety Attitude, Safety Management Practices

The Coefficient of Determination (R^2)

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.817 ^a	.667	.663	2.68995

a. Predictors: (Constant), Work Fatigue, Workers Safety Attitude, Safety Management Practices