



Risk Assessment

Risk Assessment Title:		Working at Height																	
R/A Number:		MJPP-RA-01			Revision:		A			Risk Assessment									
Item	Task (Steps)	Potential Hazard	Potential Incident	Existing Control			Current Risk												
							Seve	Freq.	Risk	Seve.	Freq.	Risk							

Attachment #1. Risk Assessment.

1	Working at height											
1	Work using Mobile Scaffold <i>Bekerja menggunakan scaffolding</i>	<ul style="list-style-type: none">Slipping and Tripping <i>Tergelincir dan tersandung</i>Falls, <i>Terjatuh</i>Falling objects <i>Benda jatuh</i>	Personnel injury, death	<ul style="list-style-type: none">All personnel must use appropriate of PPE including full body harness <i>Semua pekerja wajib menggunakan APD dan alat pelindung jatuh</i>Mobile scaffold must be checked and tagged by Supervisor scaffold before used, <i>Scaffolding harus diperiksa dan di TAG oleh scaffold Supervisor sebelum digunakan,</i>Organise storage with heavy / bulky objects at lower levels. <i>Atur penyimpanan benda berat dan ringan</i>	3	3	9	<ul style="list-style-type: none">Ensure working area and access is in safe conditionAll personnel must use appropriate of PPE including full body harnessMake sure that scaffolding installed properly before the WAH activity,Personnel should be trained WAH by HSE MJPP,Mobil scaffold always inspected by supervisor scaffold periodically,Provide warning signs, cones or fencing if needed.<i>- Pastikan area kerja dan akses dalam kondisi aman</i><i>- Semua personi lharus menggunakan APD yang sesuai termasuk seluruh tubuh</i><i>-Pastikan perancah dipasang dengan benar sebelum aktivitas WAH,</i><i>- Personel harus dilatih WAH oleh HSE MJPP,</i><i>- Mobil scaffold selalu diperiksa oleh scaffold supervisor secara berkala,</i><i>- Berikan tanda peringatan, kerucut atau pagar jika diperlukan.</i>	3	1	3	
		Fall due to impropely-installed safety rail and work platform <i>Jatuh karena paga rpengaman dan platform kerja yang tida kdipasang dengan benar</i>	Personnel injury,Death <i>Pekerja terluka</i>	<ul style="list-style-type: none">Comply with the standards for installing safety railing (2 rows, 90cm or over for upper row + middle row)Install work platform without any gap (2 layers with the width of 50cm)Install stairs when assembling 2 rows or more scaffolds (Install a ladder when stairs are impossible to install)Fix it to outrigger or soild structure and maintain levelingThe height of BT scaffold needs to be less than 4 times the minimum width of the bottomAvoid moving BT scaffold with worker on it	3	3	9	<ul style="list-style-type: none">Check installation of safety facilities and hoist way before using them<i>Periksa pemasangan fasilitas keselamatan dan cara mengerek sebelum menggunakannya</i>	3	1	3	
NEW		<ul style="list-style-type: none">Afraid working at height <i>Takut bekerja</i>	<ul style="list-style-type: none">Personnel injury,Death <i>Pekerja terluka</i>	All personnel entering in the scaffolding	3	3	9	<ul style="list-style-type: none">Blood pressure test<i>Test tekanan darah</i>	3	1	3	



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		<i>diketinggian</i>		must be physically fit for the job and shall not be afraid of heights. <i>Semua personel yang masuk kedalam perancah harus sehat secara fisik untuk pekerjaan itu dan tidak takut ketinggian.</i>										
NEW		- Proper working platform	Personnel injury,Death <i>Pekerja terluka</i>	Work shall not be allowed to be carried out standing over wooden boxes; empty barrels and other make shift arrangements. <i>Pekerjaan tidak boleh dilakukan dengan berdiri di ataskotak kayu; barel kosong dan pengaturan shift lainnya.</i>	3	3	9	- Check continuesly working platform <i>Selalu lakukan pengecekan platform kerja</i>	3	1	3			
-	Work using ladder <i>Bekerja menggunakan tangga</i>	- Slipping and Tripping - Falls, - Falling objects <i>Tergelinci rdan tersandung Jatuh, Benda yang jatuh</i>	Personnel injury, death <i>Pekerjat erluka,fatality</i>	- Don't work from the top three rung of a ladders, - ladder rung need to be clean, should be free from grease or oil to prevent slips, - Ensure correct angle of ladder (1M out for 4M up), - No lone working when using ladders <i>-Jangan bekerja dari tiga anak tangga teratas, - tangga tangga harus bersih, harus bebas dari minyak atau minyak untuk mencegah slip, - Pastikan sudut tangga yang benar (1M untuk 4M keatas), - Tidak ada yang bekerja saat menggunakan tangga.</i>	3	3	9	- Ensure working area and access is in safe condition - All personnel must use appropriate of PPE including full body harness, - Ladder only used for a short duration work, - The ladder must be in a good condition and inspected before used, - Floor surfaces suitable to use (firm and even surface), - Segregate work area effectively. - Provide warning signs, cones or fencing if needed. <i>- Pastikan area kerja dan akses dalam kondisi aman - Semua personil harus menggunakan APD yang sesuai termasuk seluruh tubuh, - Tangga hanya digunakan untuk pekerjaan durasi pendek, - Tangga harus dalam kondisi baik dan diperiksa sebelum digunakan, - Permukaan lantai cocok digunakan (permukaan kokoh dan rata), - Pisahkan area kerja secara efektif. - Berikan tanda peringatan, kerucut ataupun pagar jika diperlukan.</i>	3	1	3			
-	Work using platform scaffold <i>Bekerja menggunakan</i>	- Slipping and Tripping - Falls, - Falling obiects	Personnel injury, death <i>Pekerja terluka,fatality</i>	- All personnel must use appropriate of PPE including full body harness, - Platform scaffold must be checked and tagged by Supervisor scaffold before used.	3	3	9	- Ensure working area and access is in safe condition - Personnel should be trained WAH by HSE MJPP, - Platform scaffold always inspected by supervisor scaffold periodically All personnel must use	3	1	3			



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	platform scaffolding	Tergelincir dan tersandung Jatuh, Benda yang jatuh		<ul style="list-style-type: none">Organise storage with heavy / bulky objects at lower levels.- Semua personil harus menggunakan APD yang sesuai termasuk seluruh tubuh,- Platform scaffold harus diperiksa dan ditandai oleh scaffold Supervisor sebelum digunakan,- Atur penyimpanan dengan benda berat / besar di tingkat bawah.				<ul style="list-style-type: none">appropriate of PPE including full body harness, Provide warning signs, cones or fencing if needed.- Pastikan area kerja dan akses dalam kondisiaman- Personel harus dilatih WAH oleh HSE MJPP,- Platform scaffold selalu diperiksaoleh supervisor scaffold secara berkala. Semu apersonil harus menggunakan APD yang sesuai termasuk seluruh tubuh,- Berikan tanda peringatan, kerucut atau pagar jika diperlukan.						
2	Working at the roof top Bekerja diatas atap	<ul style="list-style-type: none">Slipping and TrippingFalls,Falling objects Tergelincir dan tersandung Jatuh, Benda yang jatuh	Personnel injury, death	<ul style="list-style-type: none">Install pole with life line onto the roof top,Use team handling where necessary.All access which used, must be checked before use and maintained in good condition.Step ladder provided for users to access areas safely- Pasang tiang dengan garis kehidupan ke atap,- Gunakan penanganan tim jika perlu.- Semua akses yang digunakan, harus diperiksa sebelum digunakan dan dipelihara dalam kondisi baik.- Tanggal angkah yang disediakan bagi pengguna untuk mengakses area denga naman	3	3	9	<ul style="list-style-type: none">Ensure working area and access is in safe conditionPersonnel should be trained WAH by HSE MJPP,Platform scaffold always inspected by supervisor scaffold periodically All personnel must use appropriate of PPE including full body harness, Provide warning signs, cones or fencing if needed.Don't allow the activity is under it.- Pastikan area kerja dan akse sdalam kondisi aman- Personel harus dilatih WAH oleh HSE MLPP,- Platform scaffold selalu diperiksa oleh supervisor scaffold secara berkala. Semua personil harus menggunakan APD yang sesuaitemasuk seluruh tubuh,- Berikan tanda peringatan, kerucut atau pagar jika diperlukan.- Jangan biarkan aktivitas berada di bawahnya.	3	1	3			

Prepared By:	
1. Project Manager	<input type="checkbox"/>
2. HSE Officer	<input type="checkbox"/>

Severity (S)	Frequency (F)
1 Minor Injury	1 Improbable

Risk Rating (RR)
R = S x F

Very High	High	Medium	Low
15-25	8-12	4-6	1-3



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3.	Supervisor		2	Major Single Injury	2	Possible	Unacceptability Limits			S↓	5	4	3	2	1	⇐F
4.	Foreman		3	Major Multiple Injuries	3	Occasional	More than 5 is unacceptable re-assess task and preventative actions.			5	25	20	15	10	5	
			4	Single Death	4	Frequent				4	20	16	12	8	4	
			5	Multiple Deaths	5	Regular				3	15	12	9	6	3	
										2	10	8	6	4	2	
										1	5	4	3	2	1	
							S = 0 is deemed to be the limit of practicability of control measures.									

Risk Assessment Prepared by:

HSE Officer (MJPP)				
	NAME	Position	Signature	Date

Risk Assessment Ckecked by:

Supervisor (MJPP)				
	NAME	Position	Signature	Date

Risk assessment approved by:

ESHA (Clariant)				
	NAME	Position	Signature	Date



Risk Assessment



Title : Working at Height

R/A No. : MJPP-RA-01

Subcontractor

Name : Position : Signature : Date :

SCT Construction Engineer

Name : Position : Signature : Date :

SCT HSE Manager

Name : Position : Signature : Date :

SCT Construction Manager

Name : Position : Signature : Date :
