









Method of Procedure

162019025 - Muhammad Ridwan Prasetyo

Dosen Pembimbing

Pembimbing Lapangan

Sofia Umaroh, S.Pd., M.T

Agung Hendriana





Topik Pembahasan

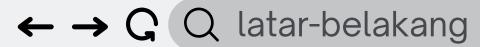
Rangkaian Kegiatan

Latar Belakang

Pembahasan

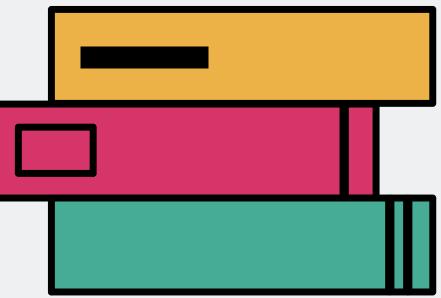
Ekivalensi





Latar Belakang

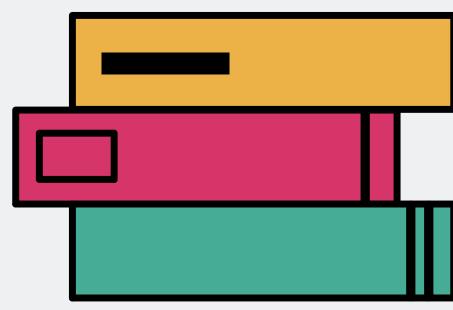
Program Kampus Merdeka yang diadakan oleh Kementrian Pendidikan dan Kebudayaan terdiri dari beberapa bentuk kegiatan pembelajaran di luar perguruan tinggi, salah satunya adalah program magang di industri atau mitra. Kegiatan tersebut harus dilaksanakan dibawah bimbingan dari dosen sehingga diharapkan dapat memberikan pengalaman nyata berada di lapangan untuk meningkatkan kompetensi mahasiswa secara utuh dalam pekerjaan. Kegiatan magang ini ditugaskan kepada mahasiswa untuk mempelajari dan mengikuti arahan pekerjaan sesuai dengan bidang yang mahasiswa tempati.

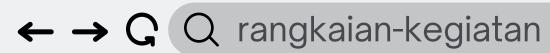




Latar Belakang

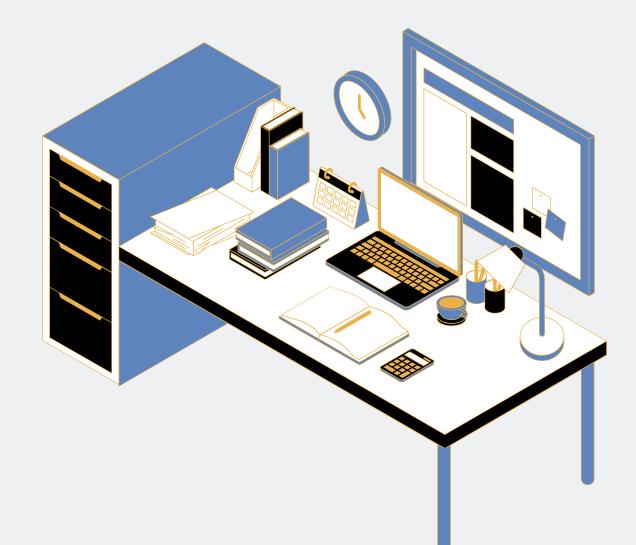
Melalui program ini, mahasiswa diharapkan terbentuknya hard skills dan soft skills. Magang/Praktik Kerja merupakan penugasan kepada mahasiswa untuk mempelajari dan mengikuti kegiatan suatu pekerjaan sesuai dengan bidang atau mata kuliah di lapangan dan menulis laporan kegiatan secara tertulis.





Method of Pr

Rangkaian Kegiatan



Pembelajaran

Mahasiswa belajar terlebih dahulu apa itu Method of Procedure, dan apa fungsi dari Method of Procedure.

Pemberian Akses

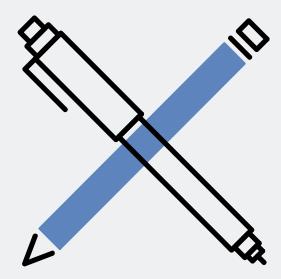
Mahasiswa diberi akses Virtual Private Network (VPN) dan akun untuk masuk kedalam Website Provider.

Pengimplementasian

Mahasiswa langsung berpatisipasi dan sudah bisa membuat dokumen Method of Procedure.







Method of Procedure

Method of Procedure adalah dokumen yang digunakan untuk teknisi lapangan sebagai panduan untuk melakukan sebuah tindakan apa saja yang melibatkan perubahan yang terlibat didalam instalasi proyek.

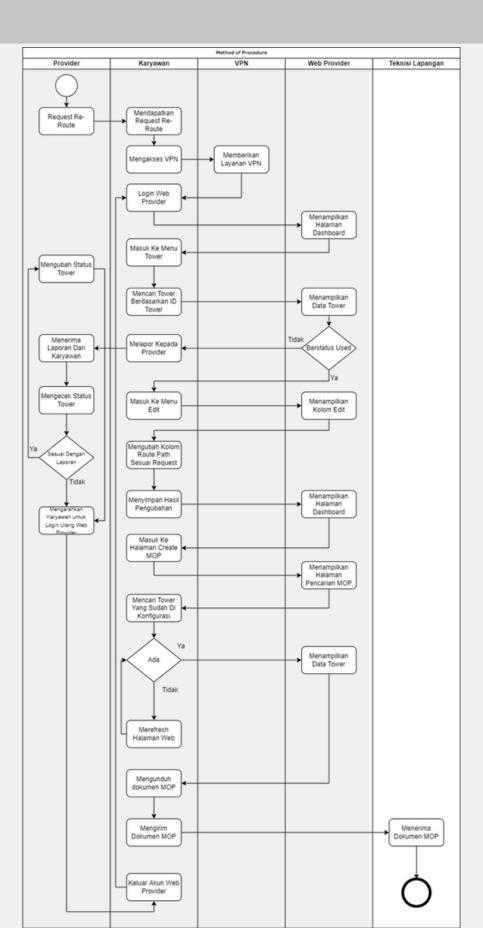




← → Q Q pembahasan/flowchart-pembuatan-method-of-procedure

Flowchart Pembuatan Method of Procedure

Berdasarkan flowchart disamping, dapat diambil langkah awal membuat dokumen *Method Of Procedure* adalah menunggu provider memberi Request Re-Route tower Base Transreceiver Station (BTS). Kemudian dilanjut dengan mengakses Virtual Private Network (VPN) agar bisa masuk kedalam web provider untuk mengkonfigurasi tower Base Transreceiver Station (BTS).



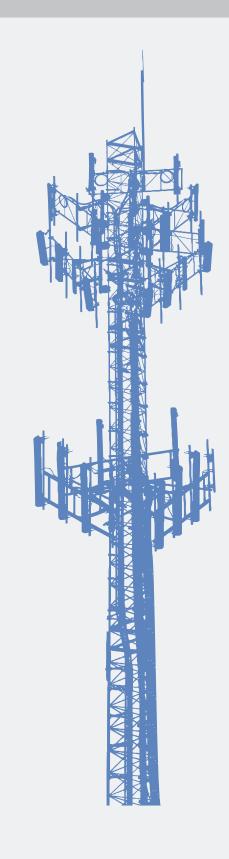




← → C Q pembahasan/request-re-route

Request Re-Route

Re-Route adalah perubahan alur jaringan telekomunikasi antar beberapa tower Base Transreceiver Station (BTS). Jadi Request Re-Route adalah permintaan yang dilakukan oleh provider untuk merubah alur jaringan antar beberapa tower Base Transreceiver Station (BTS). Fungsi dari Re-Route untuk provider adalah membuat alur jaringan tower Base Transreceiver Station (BTS) menjadi lebih efisien, menghubungkan antar tower Base Transreceiver Station (BTS) jika ada tower baru, dan bisa juga untuk merubah alur tower Base Transreceiver Station (BTS) jika ada satu tower yang tidak berfungsi atau sedang perbaikan.



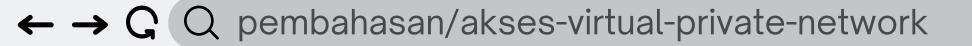


← → G Q pembahasan/request-re-route

Request Re-Route

SOW	Link Before	Link After	Priority	Tower ID	Site Name	Site Impact
Reroute	JAW-JK-GGP-0497⇔1072	JAW-JK-GGP-0497<>MC2416247	Done Install	JAW-BT-TGR-0062	JHL SOLITAIRE HOTEL	JAW-BT-TGR-0062/JAW-BT-TGR- 1479
	JAW-BT-TGR-0062/JAW-BT-TGR-	JAW-BT-TGR-1406/JAW-BT-TGR-				
	1479	0062				
				_		



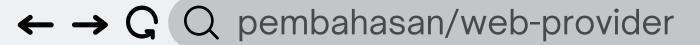


Akses Virtual Private Network

(VPN)

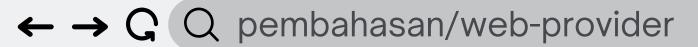
SOFTWARE TECHNOLOGIES LTD.		oint Mobile
Standard Sign In User name: Password: Certificate Sign In	Sign In	
© Copyright 2004-2019 Check Point Software T	Language:	English Y

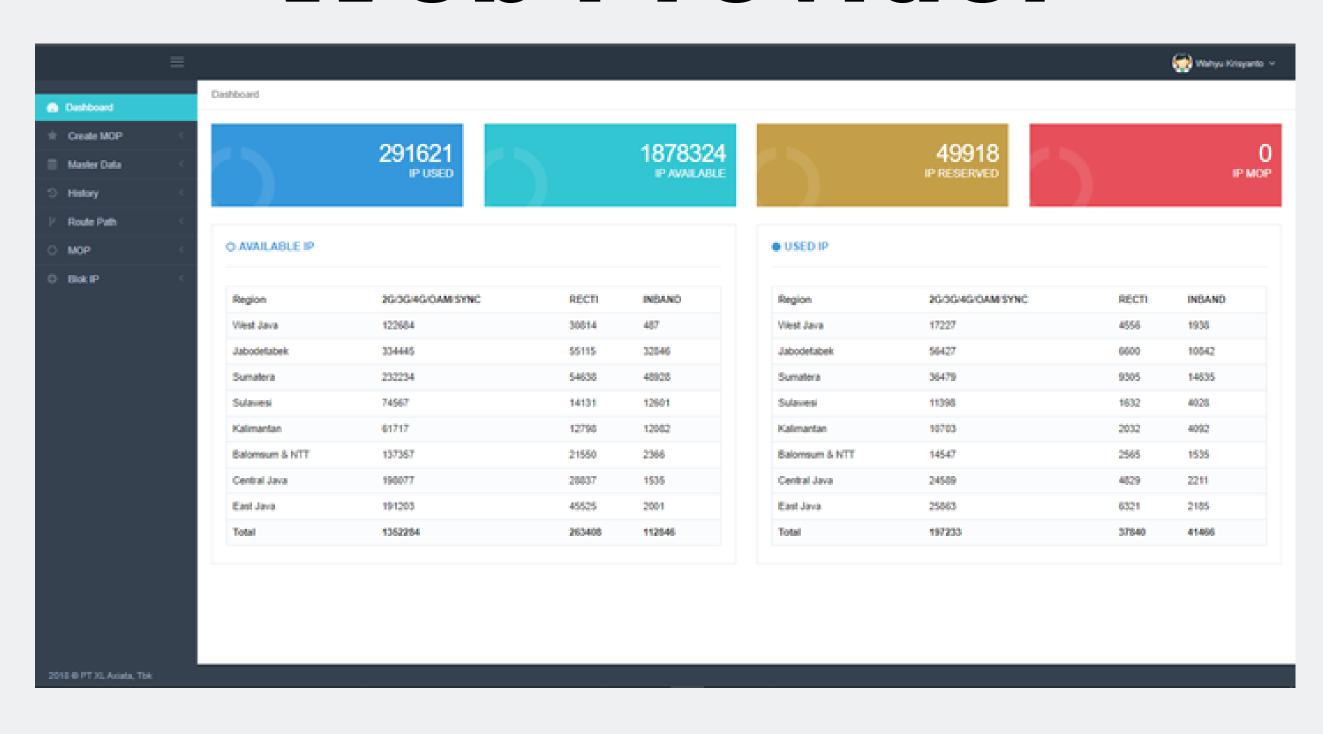




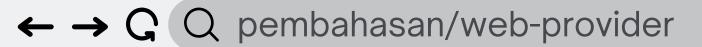
TRANSP	ORT WEB
Welcome. Please login	1.
Username	
Password	
L	OGIN
Remember me	Forgot Password?

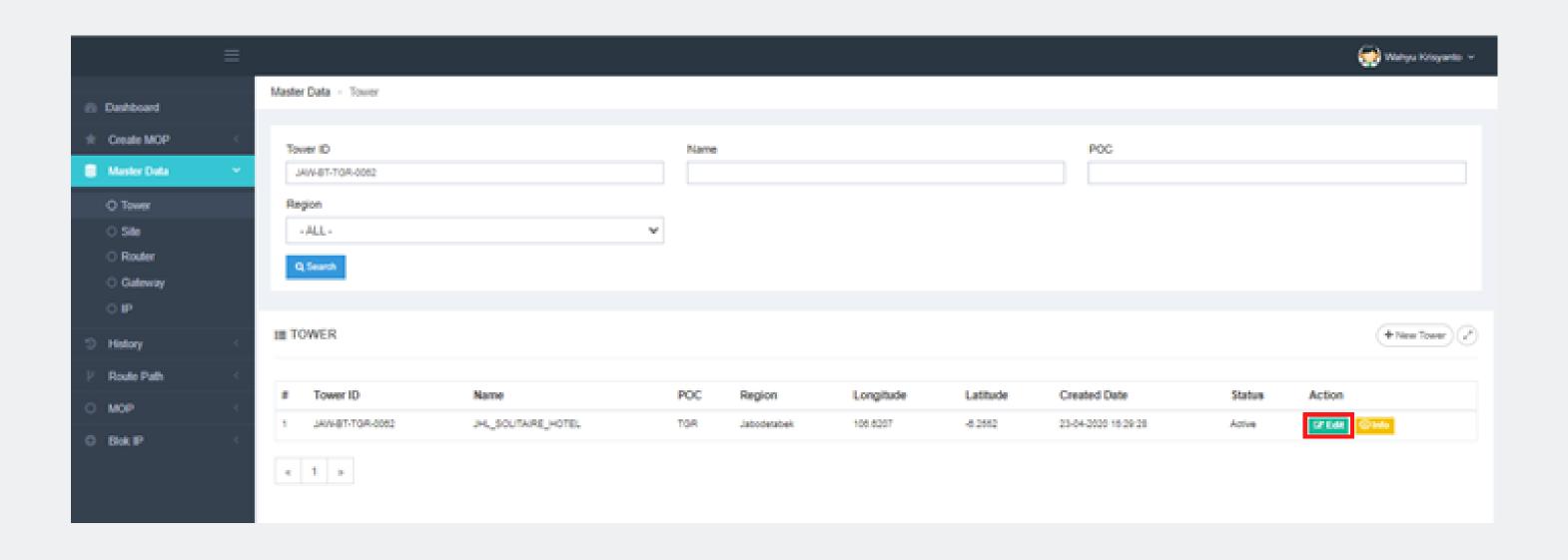




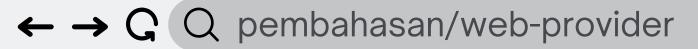






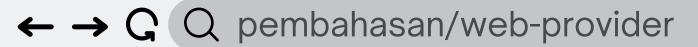






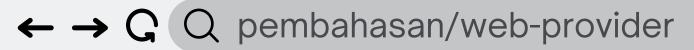
Tower Index	Site ID	IP Gateway	Service	Port	RNC/B5C/LTE	VLAN	IP Address	Route Path	Route Path (Tower)	Status	Action
JAWAST-TOR-0082	341PL6963	10.103.99.129	RECTI	08-02/12		3911	10.103.99.136	1448 O 341PL8983		RESERVED	CF Edit
JAW-8T-TOR-0082	341PL696G	10.107.108.145	OAM	06-02/12		1011	10.107.108.157	1448-0-341PL6963		RESERVED	CF Edit
JAW-8T-TOR-0082	341PL696G	10.107.35.65	INBAND	06-0/2/12		3976	10.107.35.67	1448-0-341PL898-3	JAW-8T-TOR-1405<>-JAW-8T-TOR-0082	USED	CZ Edit





⊘ EDIT IP	
HUT	JAW-BT-TGR-1406
Hostname	MA-JK1448-01H
Туре	CSR
Tower Index	JAW-BT-TGR-0062
Site ID	341PL696G
IP Gateway	10.107.35.65
Service	INBAND
Port	GE-0/2/12
RNS/BSC/LTE	
VLAN	3976
IP Address	10.107.35.67
Route Path	1448-0-341PL696G
Route Path (Tower)	JAW-BT-TGR-1406⇔JAW-BT-TGR-0062
Submit Cancel	

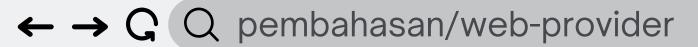


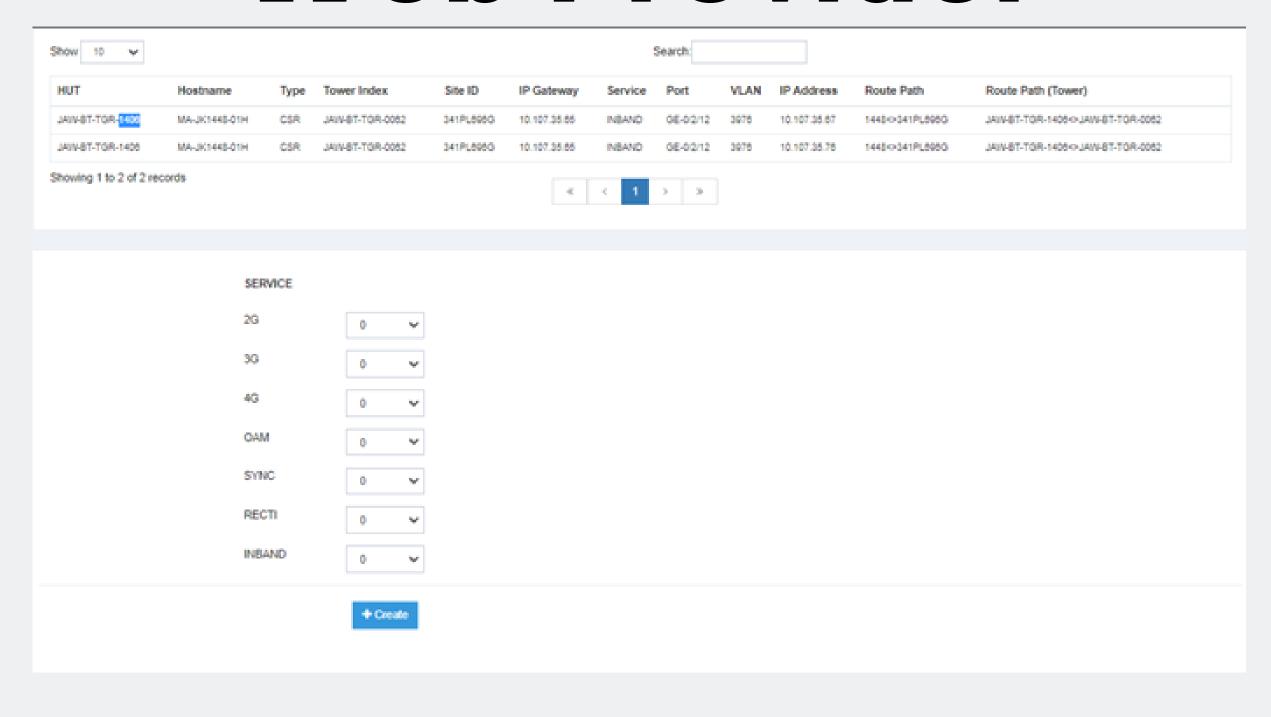


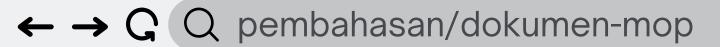
	≡
Dashboard	
★ Create MOP	~
○ Migration	<
○ Operation	
+ New Service	
Master Data	<
History	<
P Route Path	<
О МОР	<
Blok IP	<

Features - New Service	
New Service Type*	Normal
Site ID*	341PL696G
Region	West Java
Tower ID	
Port	
Router	
	Q Search

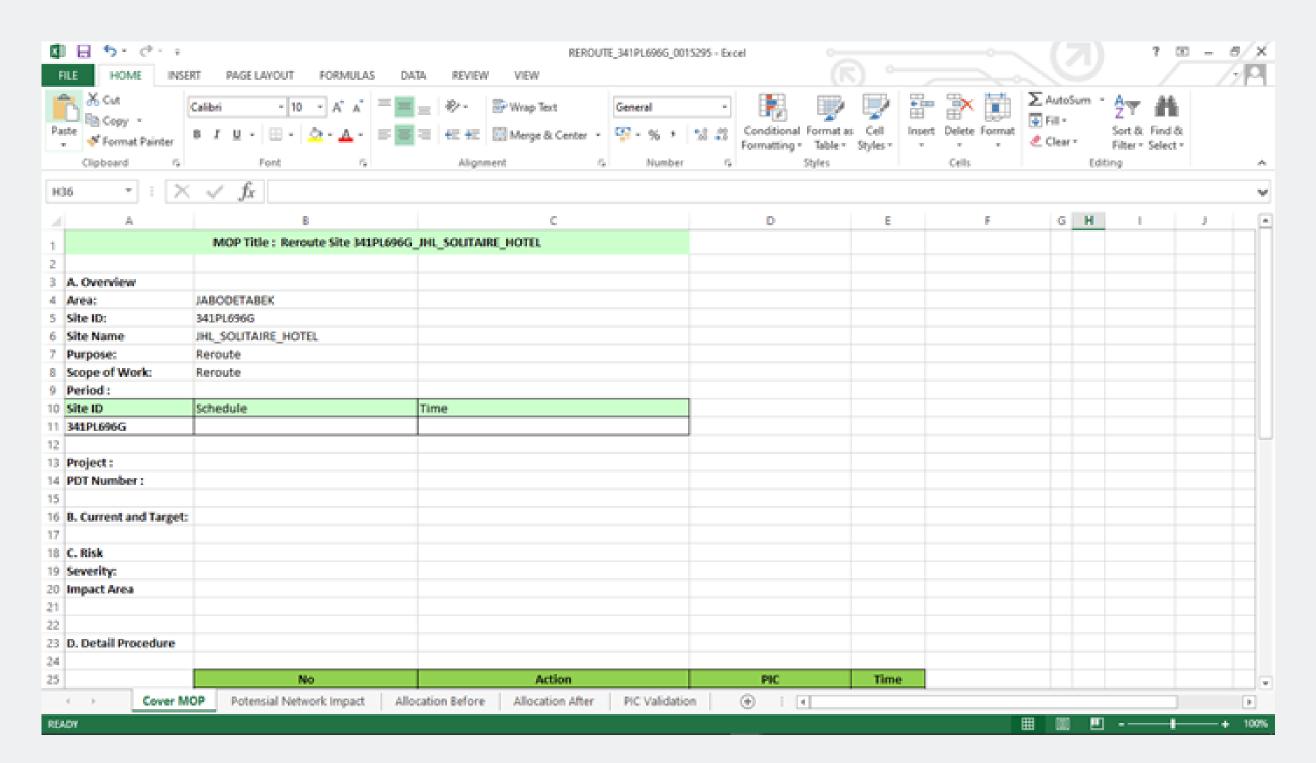








Dokumen Method of Procedure







Cover Dokumen MOP

D. Detail Procedure				
	No	Action	PIC	Time
	1	Supervise site, save all configuration	BO TRM & FOP team	23:00 - 23:30
	2	VLAN Validation config on MW Radio	BO TRM	00:00 - 01:00
	3	Reroute 2G/3G/4G + OAM	BO TRM & RAN Team	01:00 - 03:30
	4	Reroute NMS INBAND	BO TRM & Alita / CAA Team	01:00 - 03:30
	5	Reroute NMS RECTI	BO TRM & Power Team	01:00 - 03:30
	6	Ensure IP NMS Inband has configured properly	BO TRM	01:00 - 03:30
	7	Supervise this activity	BO TRM & RAN Team	03:30 - 03:45
	8	Check all service	BO TRM & RAN Team	03:45 - 04:00
	No	Fallback by remote	PIC	Time
	1	Fallback Configuration	BO TRM & RAN Team	03:00 - 03:00
	2	Check All Service	BO TRM & RAN Team	03:30 - 04:30
	3	All Service up,no Issue alarm	BO TRM & RAN Team	04:30 - 05:00
	No	Schenario Fallback Onsite	PIC	Time
	1	Login to IDU	BO TRM & FOP team	02:00
	2	Check Alarm Status and Confirm to NOC	BO TRM & FOP team	02:05
	~			
	3	Delete New Vlan and Fallback all Config	BO TRM & FOP team	02:10
		Delete New Vlan and Fallback all Config Check Alarm Status and Confirm to NOC	BO TRM & FOP team BO TRM & FOP team	02:10 02:20
	3			





Potential Network Impact

sow	Link Before	Link After	Priority	Tower ID	Site Name	Site Impact	Routpath After
Reroute	241PL347<>2415486	241PL347 > 2413207	Done Install	JAW-JK-KYB-2033	3G WOODLAND APARTEMENT TOWER 1&3	JAW-JK-KYB-2033/JAW-JK-KYB-2031	JAW-JK-KYB-2083/JAW-JK-CKG-0049
	JAW-JK-KYB-2033/JAW-JK-KYB-2031	JAW-JK-KYB-2033/JAW-JK-CKG-0049					



← → C Q pembahasan/dokumen-mop/action-before

Action Before

REGION	RING	Hostname	HUT	Site ID	Tower Index	Site Name	Port Interface	BSC/RNC	Microwave Link#1	VLAN	IP Address
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	241PL347	JAW-JK-KY8-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	3911	10.121.170.69
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	341PL347G	JAW-JK-KY8-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	311	10.89.168.34
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	341PL347G	JAW-JK-KY8-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	311	10.89.168.39
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	441PL347E	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	411	10.89.168.52
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	441PL347E	JAW-JK-KY8-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	411	10.89.168.53
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	441PL347E	JAW-JK-KY8-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	1051	10.89.168.70
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	1051	10.89.168.71
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	1051	10.89.168.72
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	441PL347E	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	1051	10.89.168.78
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	341PL347G	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	3976	10.84.86.5
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	241PL347	JAW-JK-KY8-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939-02415486-0341PL347G	211	10.89.168.244
Jabodetabek		MA-JK0939-01H	JAW-JK-CKG-0029	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/12		0939<>2415486<>341PL347G	211	10.89.168.245





Action After

HUT	Site ID	Tower Index	Site Name	Port Interface	BSC/RNC	Microwave Link#1	VLAN	IP Address	IP Gateway	Subnet	Service
JAW-JK-CKG-0049	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G->341PL347G	207	10.125.167.10	10.125.167.1	255.255.255.240	26
JAW-JK-CKG-0049	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G \circ 341PL347G	207	10.125.167.11	10.125.167.1	255.255.255.240	2G
JAW-JK-CKG-0049	341PL347G	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G <> 341PL347G	307	10.125.167.100	10.125.167.97	255.255.255.240	36
JAW-JK-CKG-0049	341PL347G	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G-0341PL347G	307	10.125.167.101	10.125.167.97	255.255.255.240	3G
JAW-JK-CKG-0049	441PL347E	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G \circ 341PL347G	405	10.125.167.195	10.125.167.193	255.255.255.240	46
JAW-JK-CKG-0049	441PL347E	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G<>341PL347G	405	10.125.167.196	10.125.167.193	255.255.255.240	46
JAW-JK-CKG-0049	441PL347E	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G \circ 341PL347G	1007	10.126.167.3	10.126.167.1	255.255.255.240	OAM
JAW-JK-CKG-0049	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G > 341PL347G	1007	10.126.167.4	10.126.167.1	255.255.255.240	OAM
JAW-JK-CKG-0049	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G-0-341PL347G	1007	10.126.167.5	10.126.167.1	255.255.255.240	OAM
JAW-JK-CKG-0049	441PL347E	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G \circ 341PL347G	1007	10.126.167.6	10.126.167.1	255.255.255.240	OAM
JAW-JK-CKG-0049	241PL347	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G \circ 341PL347G	3912	10.120.148.179	10.120.148.177	255.255.255.240	RECTI
JAW-JK-CKG-0049	341PL347G	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G 0341PL347G	3966	10.114.131.245	10.114.131.241	255.255.255.240	INBAND
JAW-JK-CKG-0049	341PL347G	JAW-JK-KYB-2033	WOODLAND APARTEMENT TOWER 245	GE-0/2/0		3443170G 0341PL347G	3966	10.114.131.244	10.114.131.241	255.255.255.240	INBAND
JAW-JK-CKG-0049	34431706	JAW-JK-CKG-0049	CILILITAN KECIL PGC2	GE-0/2/0		3443170G	3966	10.114.131.243	10.114.131.241	255.255.255.240	INBAND

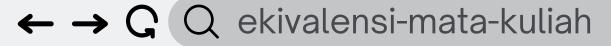


← → C Q pembahasan/dokumen-mop/pic-validation

Pic Validation

Name	Unit	Email	Contact
Arief Rahman Hakim	XL PMO	ariefr3@xl.co.id	0818 725 033
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Ekivalensi

Mata Kuliah

ISA-306 Pelayanan Teknologi Informasi

Memberikan layanan kepada teknisi lapangan agar teknisi lapangan dapat mengkonfigurasi jaringan tower Base Transreceiver Station(BTS) dengan menggunakan dokumen Method of Procedure.

ISA-404 Etika Profesi dan Kewirausahaan

Membuat Essay

ISA-309 Sistem Informasi Berbasis WEB

Membuat Essay

ISA-302 Teknik Multimedia

Membuat Essay

ISA-308 Rekayasa Informasi 2

Membuat Essay

ISA-354 Bisnis Intelijen

Membuat Essay

ISA-304 Perencanaan Strategis IS/IT

Membuat Essay



Terimakasih!

