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DATA RELAI TERPASANG
PER 01 APRIL 1997

: BINJAI

KABE	RABIO CT			RABIO PT							RELAJ TERPASANG		KETERANGAN
	TERPASANG (Amp)	CLS	TAPING (Amp)	TERPASANG	MAGAM	MERK	BUATAN	TYPE	JENIS	KARAK- TERISTIK	SETTING RELAI		
A) 150/20 KV	1.000/5-5		1.000/5	(20KV/√3) / (100V/√3)	Over Current Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 4,75 A Inst = blok A/blok	Td = 0,3	
			1.000/5		Ground Fault Relay	GEC	UK	MCGG22	Static	Standard Invers	In = 5 A I sel = 0,75 A Inst = blok A/blok	Td = 0,7 (long- time)	
rian (BG.1)	400/5		400/5		Over Current Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 5 A Inst = 60 A/blok	Td = 0,1	
			400/5		Ground Fault Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 0,5 A Inst = 2,5 A/blok	Td = 0,1	
aya (BG.2)	400/5		400/5		Over Current Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 5 A Inst = 60 A/blok	Td = 0,1	
			400/5		Ground Fault Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 0,5 A Inst = 2,5 A/blok	Td = 0,1	
as (BG.3)	400/5		400/5		Over Current Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 5 A Inst = 60 A/blok	Td = 0,1	
			400/5		Ground Fault Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 0,5 A Inst = 2,5 A/blok	Td = 0,1	
l (BG.4)	400/5		400/5		Over Current Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 5 A Inst = 60 A/blok	Td = 0,1	
			400/5		Ground Fault Relay	GEC	UK	MCGG 52	Static	Standard Invers	In = 5 A I sel = 0,5 A Inst = 2,5 A/blok	Td = 0,1	

LOKASI	RASIO CT			RASIO PT		RELAJ TERPASANG					SETTING RELAI		KETERANGAN
	TERPASANG (Amp)	CLS	TAPING (Amp)	TERPASANG	MACAM	MERK	BUATAN	TYPE	JENIS	KARAK- TERISTIK			
arah P.Brandan	500/1-1	5P20	500/1	(150KV/√3) / (100V/√3)	Distance Relay	GEC	UK	SHPM 101	Stalic	Quadramho	Fasa-Fasa : Z1 = 5,76 Ohm Z2 = 12,96 Ohm Z3 = 21,12 Ohm Z3R = 1,44 Ohm	Fasa - Tanah : (kondisi loop) Z1 = 9,84 Ohm Z2 = 22,14 Ohm Z3 = 36,07 Ohm Z3R = 2,46 Ohm	
			500/1		Over Current Relay	GEC	UK	MCGG 52	Stalic	Standard Invers	In = 1 A I sel = 1,25 A Inst = blok	Td = 0,60	
			500/1		Ground Fault Relay	GEC	UK	MCGG 52	Stalic	Standard Invers	In = 1 A I sel = 0,40 A Inst = blok	Td = 0,70	
arah Paya Gelli	500/1-1	5P20	500/1	(150KV/√3) / (100V/√3)	Distance Relay	GEC	UK	SHPM 101	Stalic	Quadramho	Fasa-Fasa : Z1 = 1,10 Ohm Z2 = 2,10 Ohm Z3 = 6,10 Ohm Z3R = 0,30 Ohm	Fasa - Tanah : (kondisi loop) Z1 = 2,16 Ohm Z2 = 4,12 Ohm Z3 = 11,96 Ohm Z3R = 0,28 Ohm	
			500/1		Over Current Relay	GEC	UK	MCGG 52	Standard Invers	In = 1 A I sel = 1 A Inst = blok	Td = 0,60		
			500/1		Ground Fault Relay	GEC	UK	MCGG 52	Standard Invers	In = 1 A I sel = 0,30 A Inst = blok	Td = 0,70		
			500/1		Over Current Relay	GEC	UK	MCGG 52	Standard Invers	In = 1 A I sel = 1 A Inst = blok	Td = 0,60		

DATA-DATA PERALATAN TERPASANG DI GARDU INDUK BINJAI

LOKASI	NAME PLATE : DS / PMS											KETERANGAN
	MEREK	BUATAN	TYPE	NOMOR SERI	In (A)	Vn (kV)	I dyn (kA)	I th (kA)	PENGERAK	TIN	STATUS	
penghantar Binjai - Belawan.1	ABB	Sweden	MT.50	251.3336.04AT.R		230					1994	operasi
	ABB	Sweden	MT.50	S		230					1994	
	ABB	Sweden	MT.50	T		230					1994	
penghantar Binjai - Belawan.1	ABB	Sweden	MT.50	251.3337.04AT.R		230					1994	operasi
	ABB	Sweden	MT.50	S		230					1994	
	ABB	Sweden	MT.50	T		230					1994	
penghantar Binjai - Belawan.2	ABB	Sweden	MT.50	251.3338.04AT.R		230					1994	operasi
	ABB	Sweden	MT.50	S		230					1994	
	ABB	Sweden	MT.50	T		230					1994	
penghantar Binjai - Belawan.2	ABB	Sweden	MT.50	251.3339.04AT.R		230					1994	operasi
	ABB	Sweden	MT.50	S		230					1994	
	ABB	Sweden	MT.50	T		230					1994	
Sisi 150 kV, TD1 (30 MVA)	Energoinvest	Yugoslavia	VRV.Z13	3 / 100075 -R	1250	170	50	20	Motor Listrik		1989	bertegangan
	Energoinvest	Yugoslavia	VRV.Z13	-S	1250	170	50	20				
	Energoinvest	Yugoslavia	VRV.Z13	-T	1250	170	50	20				
Sisi 150 kV, TD2(60 MVA)	Coelme	Italia	CD.101	2394 -R							1993	
				-S								
				-T								

DATA-DATA PERALATAN TERPASANG DI GARDU INDUK BINJAI

LOKASI	NAME PLATE : CB - PMT												STATUS	KETERANGAN
	MERЕК	BUATAN	TYPE	NOMOR SERI	In (A)	Vn (kV)	B.Cap (kA)	I dyn (kA)	I th (kA)	MEDIA	PENGERAK	THN		
STATION														
Binjai - Paya Geli.1	Energoinvest	Yugoslavia	SPE 13	05-996	1250	170	25	-	-	Gas - SF6	EL.Pneumatic	1989	Operasi	
Binjai - Paya Geli.2	ABB	Sweden	LTB 170D1	813.9842	3150	170		-	-	Gas - SF6	Motor Listrik	1994	-	operasi
Binjai - P.Brandan	Energoinvest	Yugoslavia	SPE 13	05-996	1250	170	25	-	-	Gas - SF6	EL.Pneumatic	1989	Operasi	
Binjai - Belawan.1	ABB	Sweden	LTB 170D1	813.9444	3150	170		-	-	Gas - SF6	Motor Listrik	1994	-	operasi ✓
Binjai - Belawan.2	ABB	Sweden	LTB 170D1	813.9948	3150	170		-	-	Gas - SF6	Motor Listrik	1994	-	operasi ✓
150 kV, TD1 (30 MVA) Unindo	Energoinvest	Yugoslavia	SPE 13	05-996	1250	170	25	-	-	Gas - SF6	EL.Pneumatic	1989	Operasi	
150 kV, TD2 (60 MVA) Pasti	EIB	Belgium	SI 170 F1	4882.71/02	3150	170				Gas - SF6	Motor Listrik	1994	Operasi	
Bus 150KV	ABB	Sweden	LTB 170D1	813.9842	3150	170		-	-	Gas - SF6	Motor Listrik	1994	-	operasi ✓

DATA-DATA PERALATAN TERPASANG DI GARDU INDUK BINJAI

LOKASI	NAME PLATE : CB - PMT												STATUS	KETERANGAN
	MERЕК	BUATAN	TYPE	NOMOR SERI	In (A)	Vn (kV)	B.Cap (kA)	I dyn (kA)	I th (kA)	MEDIA	PENGERAK	THN		
LEVEL 20 KV														
Panel D1 (30 MVA)	Energoinvest	Yugoslavia	SPP-24/25.12	-	630	24	25			Gas - SF6	Motor Listrik	1990	Operasi	
Panel Durian (BG-1)	Energoinvest	Yugoslavia	SPP-24/25.12	-	630	24	25			Gas - SF6	Motor Listrik	1990	Operasi	
Panel Pepaya (BG-2)	Energoinvest	Yugoslavia	SPP-24/25.12	-	630	24	25			Gas - SF6	Motor Listrik	1990	Operasi	
Panel Nanas (BG-3)	Energoinvest	Yugoslavia	SPP-24/25.12	-	630	24	25			Gas - SF6	Motor Listrik	1990	Operasi	
Panel Apel (BG-4)	Energoinvest	Yugoslavia	SPP-24/25.12	-	630	24	25			Gas - SF6	Motor Listrik	1990	Operasi	
Panel Jeruk (BG-5)	Energoinvest	Yugoslavia	SPP-24/25.12	-	630	24	25			Gas - SF6	Motor Listrik	1990	Operasi	
Panel Jambu (BG-6)														
LEVEL 20 KV														
Panel D1 (30 MVA)	EIB	Belgium	Modalek	736	2000	24	25	63		VCB	Motor Listrik	1993	Operasi	
Panel Sirsak (BN-1)	EIB	Belgium	Modalek	741	800	24	25	63		VCB	Motor Listrik	1994	Operasi	
Panel Mangga (BN-2)	EIB	Belgium	Modalek	742	800	24	25	63		VCB	Motor Listrik	1995	Operasi	
Panel Kuini (BN-3)	EIB	Belgium	Modalek	588	800	24	25	63		VCB	Motor Listrik	1996	Operasi	
Panel Nangka (BN-4)	EIB	Belgium	Modalek	1017	800	24	25	63		VCB	Motor Listrik	1997	Operasi	

Binjai, Tgl Mei 1997

Kepala Gardu Induk Binjai

SUHELNO