

SPESIFIKASI TRANSFORMATOR 1
GARDU INDUK BANTUL 150 kV

<i>Name</i>	Trafo 1
<i>Merk/Type</i>	Xian /SFZ-6000/150
<i>Installation</i>	<i>Out-Door</i>
<i>Nominal Rating MVA</i>	36/60
<i>Frequency Hertz</i>	50
Tegangan Primer	150 kV
Tegangan Sekunder	20 Kv
<i>Short Circuit 150 kV</i>	40 kA
<i>Short Circuit 20 kV</i>	16 kA
<i>Nominal Current</i>	1732 A
<i>Impedance</i>	12,35 %
<i>Vector Group</i>	<i>YN-yno (d11)</i>
<i>Rn (Tahanan pentanahan)</i>	<i>0,3 Ohm</i>

DATA PENGUJIAN
MINYAK TRANSFORMATOR UMUR 5 TAHUN

Megger
 OTS100AF
 101204306

F/W Version: 1.15
 Std. Lib. Version: 0.09

Test Id: 1RF 2 BNIL

Date: 05/25/2018
 Time: 11:30

IEC 60156-95

Oil Type:
 Mineral/Ester

Electrodes: Mushroom
 Elec. Gap: 2.50mm
 Stirrer: Impeller
 Test Freq: 61.8Hz
 Max. Volt: 100.0kV
 dV/dt Rate: 2.0kV/s

Results:
 Oil Temp: 50°C

Test1: 74.4kV
 Test2: 59.8kV
 Test3: 59.5kV
 Test4: 60.8kV
 Test5: 66.3kV
 Test6: 58.1kV
 Avg. Voltage: 63.2kV

Dispersion s/x: 0.10
 Std. Deviation: 6.19kV

Megger
 OTS100AF
 101204306

F/W Version: 1.15
 Std. Lib. Version: 0.09

Test Id: 80

Date: 05/25/2018
 Time: 13:04

IEC 60156-95

Oil Type:
 Mineral/Ester

Electrodes: Mushroom
 Elec. Gap: 2.50mm
 Stirrer: Impeller
 Test Freq: 61.8Hz
 Max. Volt: 100.0kV
 dV/dt Rate: 2.0kV/s

Results:
 Oil Temp: 60°C

Test1: 60.1kV
 Test2: 57.1kV
 Test3: 42.6kV
 Test4: 47.7kV
 Test5: 44.7kV
 Test6: 44.5kV
 Avg. Voltage: 49.5kV

Dispersion s/x: 0.15
 Std. Deviation: 7.31kV

SUHU 100 °C

SUHU 120 °C

Megger
OTS100AF
101204306

F/W Version: 1.15
Std. Lib. Version: 0.09

Test Id: 100

Date: 05/25/2018
Time: 13:31

IEC 60156-95

Oil Type:
Mineral/Ester

Electrodes: Mushroom
Elec. Gap: 2.50mm
Stirrer: Impeller
Test Freq: 61.8Hz
Max. Volt: 100.0kV
dV/dt Rate: 2.0kV/s

Results:
Oil Temp:

Test1:	52.2kV
Test2:	64.7kV
Test3:	47.3kV
Test4:	56.6kV
Test5:	50.5kV
Test6:	43.1kV
Avg. Voltage:	52.4kV

Dispersion s/x: 0.14
Std. Deviation: 7.54kV

Megger
OTS100AF
101204306

F/W Version: 1.15
Std. Lib. Version: 0.09

Test Id: 120

Date: 05/25/2018
Time: 13:59

IEC 60156-95

Oil Type:
Mineral/Ester

Electrodes: Mushroom
Elec. Gap: 2.50mm
Stirrer: Impeller
Test Freq: 61.8Hz
Max. Volt: 100.0kV
dV/dt Rate: 2.0kV/s

Results:
Oil Temp:

Test1:	40.4kV
Test2:	34.8kV
Test3:	25.4kV
Test4:	28.2kV
Test5:	30.6kV
Test6:	35.3kV
Avg. Voltage:	32.5kV

Dispersion s/x: 0.17
Std. Deviation: 3.46kV

**DATA PENGUJIAN
MINYAK TRANSFORMATOR UMUR 24 TAHUN**

Megger
OTS100AF
101204306

F/W Version: 1.15
Std. Lib. Version: 0.09

Test Id: TRF 1 BNTL

Date: 05/25/2018
Time: 09:46

IEC 60156-95

Oil Type:
Mineral/Ester

Electrodes: Mushroom
Elec. Gap: 2.50mm
Stirrer: Impeller
Test Freq: 61.8Hz
Max. Volt: 100.0kV
dV/dt Rate: 2.0kV/s

Results:
Oil Temp: 28°C

Test1: 15.0kV
Test2: 27.6kV
Test3: 18.6kV
Test4: 19.6kV
Test5: 20.3kV
Test6: 15.9kV
Avg. Voltage: 19.5kV

Dispersion s/x: 0.23
Std. Deviation: 4.49kV

Megger
OTS100AF
101204306

F/W Version: 1.15
Std. Lib. Version: 0.09

Test Id: 90

Date: 05/25/2018
Time: 10:12

IEC 60156-95

Oil Type:
Mineral/Ester

Electrodes: Mushroom
Elec. Gap: 2.50mm
Stirrer: Impeller
Test Freq: 61.8Hz
Max. Volt: 100.0kV
dV/dt Rate: 2.0kV/s

Results:
Oil Temp: 55°C

Test1: 20.7kV
Test2: 18.8kV
Test3: 27.6kV
Test4: 23.8kV
Test5: 20.7kV
Test6: 27.0kV
Avg. Voltage: 23.1kV

Dispersion s/x: 0.16
Std. Deviation: 3.61kV

5UHU 100°C

5UHU 120°C

Megger
OTS100AF
101204306

F/W Version: 1.15
Std. Lib. Version: 0.09

Test Id: 100

Date: 05/25/2018
Time: 10:39

IEC 60156-95

Oil Type:
Mineral/Ester

Electrodes: Mushroom
Elec. Gap: 2.50mm
Stirrer: Impeller
Test Freq: 61.8Hz
Max. Volt: 100.0kV
dV/dt Rate: 2.0kV/s

Results:
Oil Temp:

Test1: 34.3kV
Test2: 32.3kV
Test3: 27.5kV
Test4: 27.9kV
Test5: 22.0kV
Test6: 23.6kV
Avg. Voltage: 28.0kV

Dispersion s/x: 0.17
Std. Deviation: 4.79kV

Megger
OTS100AF
101204306

F/W Version: 1.15
Std. Lib. Version: 0.09

Test Id: 120

Date: 05/25/2018
Time: 11:05

IEC 60156-95

Oil Type:
Mineral/Ester

Electrodes: Mushroom
Elec. Gap: 2.50mm
Stirrer: Impeller
Test Freq: 61.8Hz
Max. Volt: 100.0kV
dV/dt Rate: 2.0kV/s

Results:
Oil Temp:

Test1: 25.3kV
Test2: 24.8kV
Test3: 20.8kV
Test4: 29.7kV
Test5: 26.3kV
Test6: 22.9kV
Avg. Voltage: 25.0kV

Dispersion s/x: 0.12
Std. Deviation: 3.05kV