Mengkonfigurasi Database SPC

Konfigurasi Database Single Node Application

Langkah-langkah :

- 1. Buka WindowsMaker
- 2. Klik Special SPC DataBase. Seperti pada gambar di bawah ini !



3. Untuk mengkonfigurasi database type SQL, kita buat dulu database tersebut pada software MS SQL ver 7.

Configure SPC Database	
Database Setup	ок 1
Database Type: Microsoft SQL Server	
ODBC Data Source: SPC_SQL <u>Modify</u>	<u>S</u> ave ⊻erify
Parameters	
Server Name: [local] Database: SPC_SQL	<u>H</u> elp
Admin User ID: sa Password: ****	
Connection Status	-
ODBC Connection Successful	
Output Message Level Data Storage Limits Normal Detailed Trace Detailed Trace Image: Detailed	

Database Setup	
Database Type	: Microsoft SQL Server
ODBC Data Source	: SPC_SQL

Parameter :	
Server Name	: (local)
Admin User ID	: sa
Database	: SPC_SQL
Password	: erik

Klik verify, kemudian save.

Konfigurasi User Database SPC

1. Klik Special-SPC-Users, seperti pada gambar di bawah ini :

InTouch - WindowMaker - C:\PROGRAM FILES\FACTORYSUITE\INTOUCH\HMI_1				
Special Windows Help				
z Security 🕨 🕨				
Animation Links Ctrl+A Substitute Tags Ctrl+E Substitute Strings Ctrl+L Tagname Dictionary Ctrl+T Alarm Groups Access Names Access Names Ctrls+T Notify Clients Configure Update Use Counts Delete Unused Tags Scripts Image: Second S	Database			
SQL Access Manager				
1	Indirect Datasets			
	Special Windows Help Security • Animation Links Ctrl+A Substitute Tags Ctrl+A Substitute Strings Ctrl+E Substitute Strings Ctrl+E Substitute Strings Ctrl+E Substitute Strings Ctrl+E Tagname Dictionary Ctrl+T Alarm Groups Access Names Cross Reference Notify Clients Configure • Update Update Use Counts Delete Unused Tags Scripts • • SQL Access Manager			

2. Isi parameter yang disediakan



Mengkonfigurasi Dataset SPC

1. Klik - Special - SPC - Datasets, seperti pada gambar di bawah ini !



Selanjutnya akan muncul

2 InTouch - WindowMaker - D:\ERIK\KAMPUS\TUGAS REAL TIME\SPC\REV	
Elle Edit View Arrange Lext Line Special Windows Help	Huntime <u>l</u>
SPC Dataset Configuration	
Image:	OK encel
Samples Per Limit Calculation: 20 Smoothing Factor: 0	
 Image: Second se	↓ ▶ ■ 4,
Ready X, Y 300 150	NUM
😹 Start 🔰 🎇 NETD 🚆 Wond 🔬 Find: F 🔯 Explori 🐼 Control 🔂 SQL S 😿 In To 🐒 untitle	e 🖻 Mengk 🛛 🔀 🍕 🔂 9:35

- Dataset Name diisi dengan dataset tabel.
- Tagname diisi dengan tagname yang akan kita olah datanya dengan SPC.
- o Isi Causes, Alarm dan Product sesuai dengan kebutuhan kita.

Special Causes:	OK
	Cancel
	<u>D</u> elete
	Special Causes:

Kofigurasi special kasus

SPC Alarm Selection		
Limit Alarms Sample Outside of Specification Limits Sample Outside of Control Limits	Priority 999 999	OK Cancel
Standard Deviation Alarms	Priority	
2 of Last 3 Samples Outside of 2 Standard Deviations (same side)	999	
4 of Last 5 Samples Outside of 1 Standard Deviation (same side)	999	
☐ ☐ of Last ☐ Samples Outside of ☐ Standard Deviations	999	
☐ 1 of Last 1 Samples Outside of 1 Standard Deviations (same side)	999	
Consecutive Alarms	-Priority-	
Consecutive Samples Inside of 1 Standard Deviation	999	
Consecutive Samples Outside of 1 Standard Deviation	999	
Consecutive Samples Increasing or Decreasing	999	
Consecutive Samples Alternating Up and Down	999	
Consecutive Samples on One Side of the Centerline	999	

Konfigurasi Alarm

Products				
- Product			<u> </u>	ОК
Name:	HP Product		<u>S</u> elect	Cancel
- Center Chart -				New
UCL: 100	USL:	100		Sa <u>v</u> e
Center 50	Target:	50		<u>D</u> elete
LCL: 0	LSL:	0		<u>R</u> estore
– Display titles –				
Control Chart:	Control Chart			
Histogram:	Histogram			
Pareto Chart:	Pareto Chart			

Konfigurasi Product

Menampilkan SPC Chart dapat dilakukan pada Wizard/ Active X



Ada 3 pilihan chart yaitu : control Chart, Pareto dan Histogram.

Mengkinfigurasi Control chart dengan cara meng-klik 2x kemudian akan muncul :



Select SPC Dataset

ZINTouch - WindowMaker - D:\ERIK\KAMPUS\TUGAS REAL TIME\SPC\REV	
	Huname <u>i</u>
SPC Chart Display Configuration	
dc B Z ⊻ A A Select SPC Dataset Cancel OK	
Chart Setup Process Center Chart Process Wirth Chart	
Enfigure	
WindowMaker	
→ 10 Distributed Nam	· · · · · · · · · · · · · · · · · · ·
Alarm Groups	A A A A A A A A A A A A A A A A A A
Access Names	
Cross Reference	
- E TemplateMaker	
E SQL Access Manag	<u>ua.</u>
Applications	Re14:44
UK Cancel Details Select All Dear All	- <u>-</u>
	بم
Ready X, Y [0] 130 W, H [600] 240	
🔀 Start 📙 🎢 NETD 🖕 Wond 🖄 Find: F 🔯 Explori 🚾 Control 🔂 SQL S 📝 InTo 🦉 untitle 🖉 Mengk	9:48

Menghubungkan InTouch dengan SQL dan SPC kita gunakan Script sebagai berikut :

Script Application : Analog1 = 60 + 50*Sin(6*\$Second); Analog2 = 59 + 60*Sin(7*\$Second); Analog3 = 60 + 40*Sin(4*\$Second); Analog4 = 40 + 60*Sin(3*\$Second);

ErrCode=SQLInsert(ID_Koneksi, "TableTest", "BindList1");

Script Action :
SQLConnect(ID_Koneksi, "DSN=SPC_SQL;UID=sa; PWD=erik");

SPCConnect("erik", "erik");

ErrCode = SQLDisconnect(ID_Koneksi);