

Nama : Avifah Hasna N F

NIM : L200170072

Kelas : C

MODUL 12

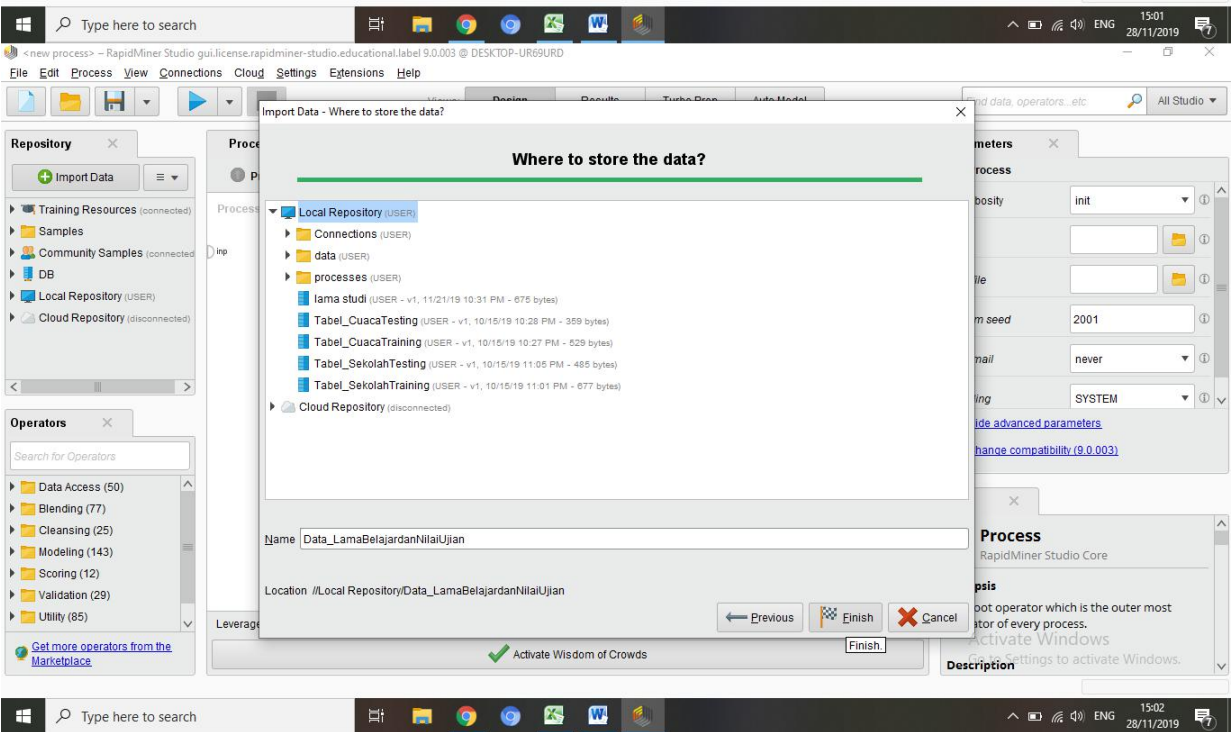
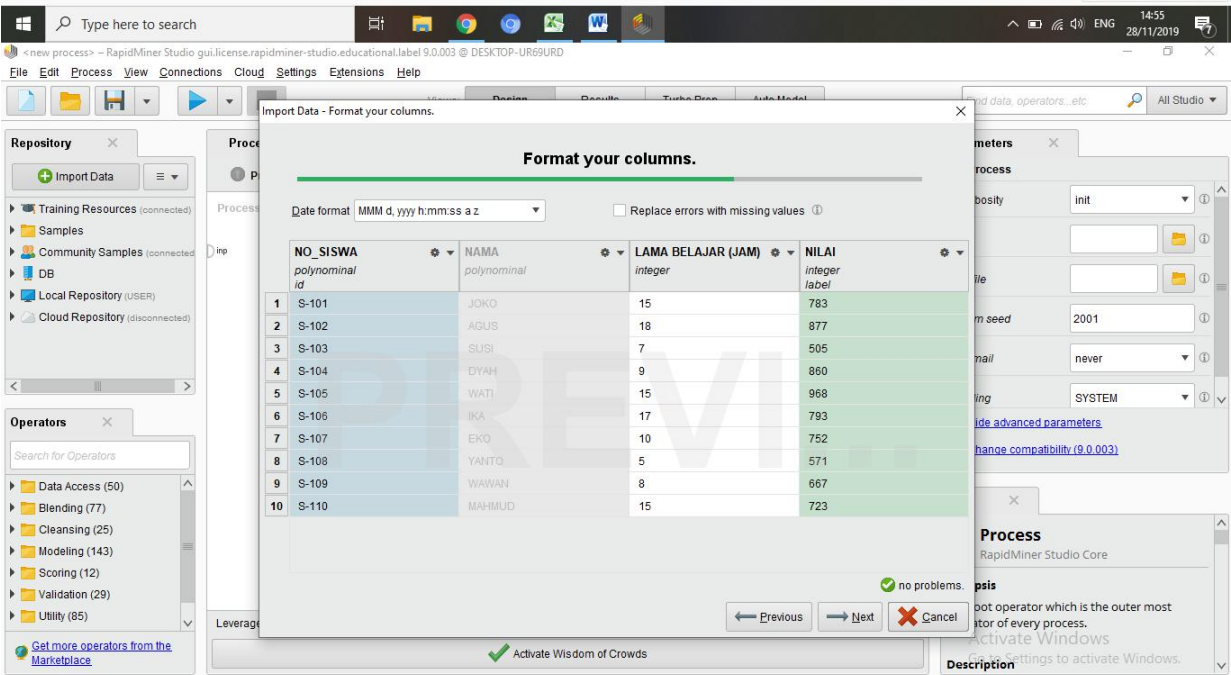
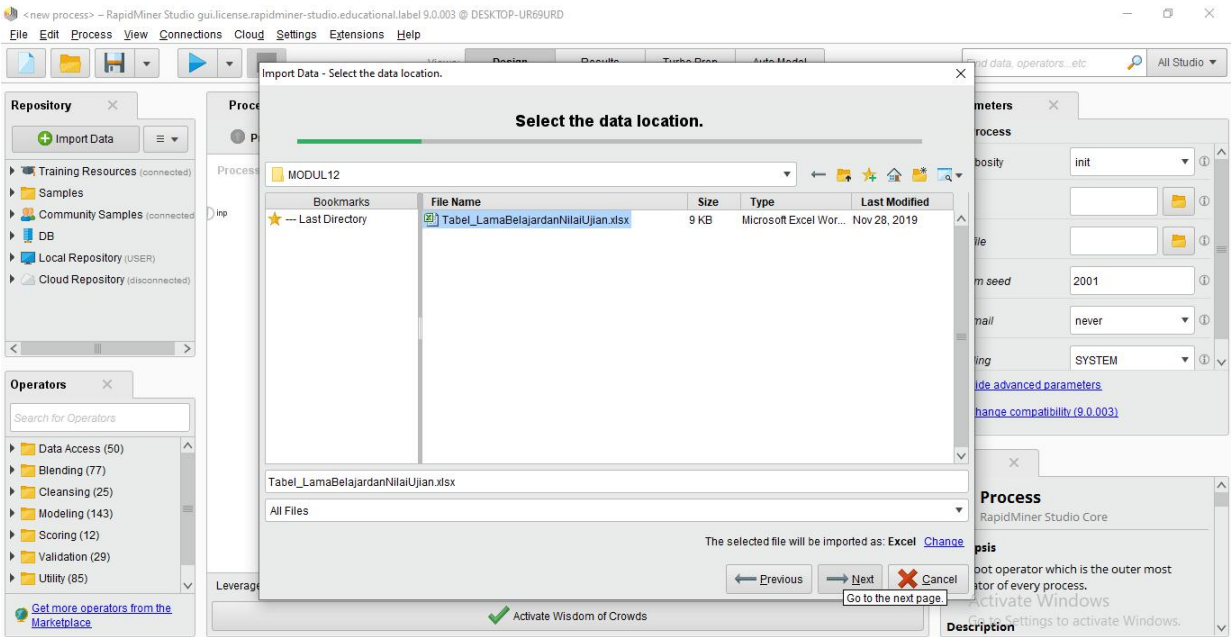
REGRESI LINIER SEDERHANA

LANGKAH – LANGKAH PRAKTIKUM

1. Mencari Nilai t-hitung dan Model Regresi Linier

Tabel LamaBelajardanNilaiJoni - Microsoft Excel (Product Activation Failed)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)	NILAI															
2	S-101	JOKO	15	783															
3	S-102	AGUS	18	877															
4	S-103	SUSI	7	505															
5	S-104	DYAH	9	860															
6	S-105	WATI	15	968															
7	S-106	IKA	17	793															
8	S-107	EKO	10	752															
9	S-108	YANTO	5	571															
10	S-109	WAWAN	8	667															
11	S-110	MAHMUD	15	723															
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			

The image is a screenshot of the RapidMiner Studio software interface. At the top, a title bar reads '< new process> - RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-UR69URD'. Below this is a menu bar with 'File', 'Edit', 'Process', 'View', 'Connections', 'Cloud', 'Settings', 'Extensions', and 'Help'. A toolbar contains icons for file operations and process actions. The main interface is divided into three panes. The left pane, titled 'Repository', shows a tree of data sources: 'Training Resources (connected)', 'Samples', 'Community Samples (connected)', 'DB', 'Local Repository (USER)', and 'Cloud Repository (disconnected)'. Below this is an 'Operators' pane with a search bar and a list of operator categories: 'Data Access (50)', 'Blending (77)', 'Cleansing (25)', 'Modeling (143)', 'Scoring (12)', 'Validation (29)', and 'Utility (85)'. A link at the bottom says 'Get more operators from the Marketplace'. The central pane, titled 'Process', shows a large message: 'Your process looks empty. Add some data first. Drag data or operators here.' Below this message is a status bar that says 'Leverage the Wisdom of Crowds to get operator recommendations based on your process design!' and a button 'Activate Wisdom of Crowds'. The right pane, titled 'Parameters', shows settings for the 'Process' operator: 'logverbosity' (init), 'logfile' (empty), 'resultfile' (empty), 'random seed' (2001), 'send mail' (never), 'encoding' (SYSTEM), and links for 'Hide advanced parameters' and 'Change compatibility (9.0.003)'. Below this is a 'Help' pane for the 'Process' operator, which states it is the 'outer most operator of every process' and includes a link to 'Activate Windows'. The bottom of the screen shows a Windows taskbar with the Start button, a search bar, and icons for various applications, along with a system tray showing the date and time.



Hasil proses regresi linier :

a) Table View (mencari besarnya nilai t-hitung)

LinearRegression (Linear Regression)

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
LAMA BELAJAR (JAM)	21.608	7.645	0.707	1	2.827	0.022	**
(Intercept)	492.769	96.909	?	?	5.085	0.001	****

b) Text View (mencari model regresi)

LinearRegression

21.608 * LAMA BELAJAR (JAM)
+ 492.769

2. Mencari Nilai t dan Model Regresi Linier Menggunakan RapidMiner

Tabel Prediksi Nilai t dan Model Regresi Linier Menggunakan RapidMiner

NO_SISWA	NAMA	LAMA BELAJAR (JAM)
S-111	BUDI	12
S-112	SANTI	13
S-113	DIAN	14
S-114	DANI	11
S-115	AHMAD	5
S-116	BAYU	13
S-117	RISA	9
S-118	RANI	10
S-119	YANI	10
S-120	RATIH	9

new process - RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-UR69URD

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB
- Local Repository (USER)
- Cloud Repository (disconnected)

Operators

- Data Access (50)
- Blending (77)
- Cleansing (25)
- Modeling (143)
- Scoring (12)
- Validation (29)
- Utility (85)

Get more operators from the Marketplace

Process

Process

100%

Process

inp

res

Your process looks empty. Add some data first. Drag data or operators here.

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds

Parameters

Process

- logverbosity: init
- logfile:
- resultfile:
- random seed: 2001
- send mail: never
- encoding: SYSTEM

Hide advanced parameters

Change compatibility (9.0.003)

Help

Process

RapidMiner Studio Core

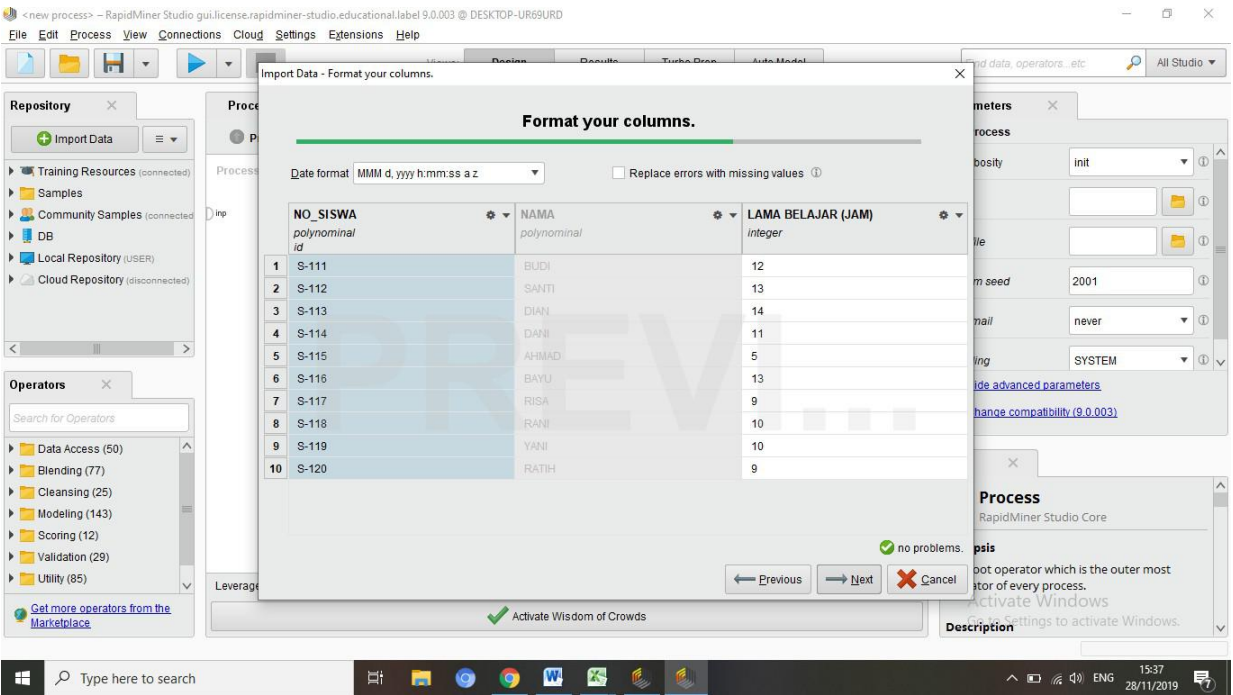
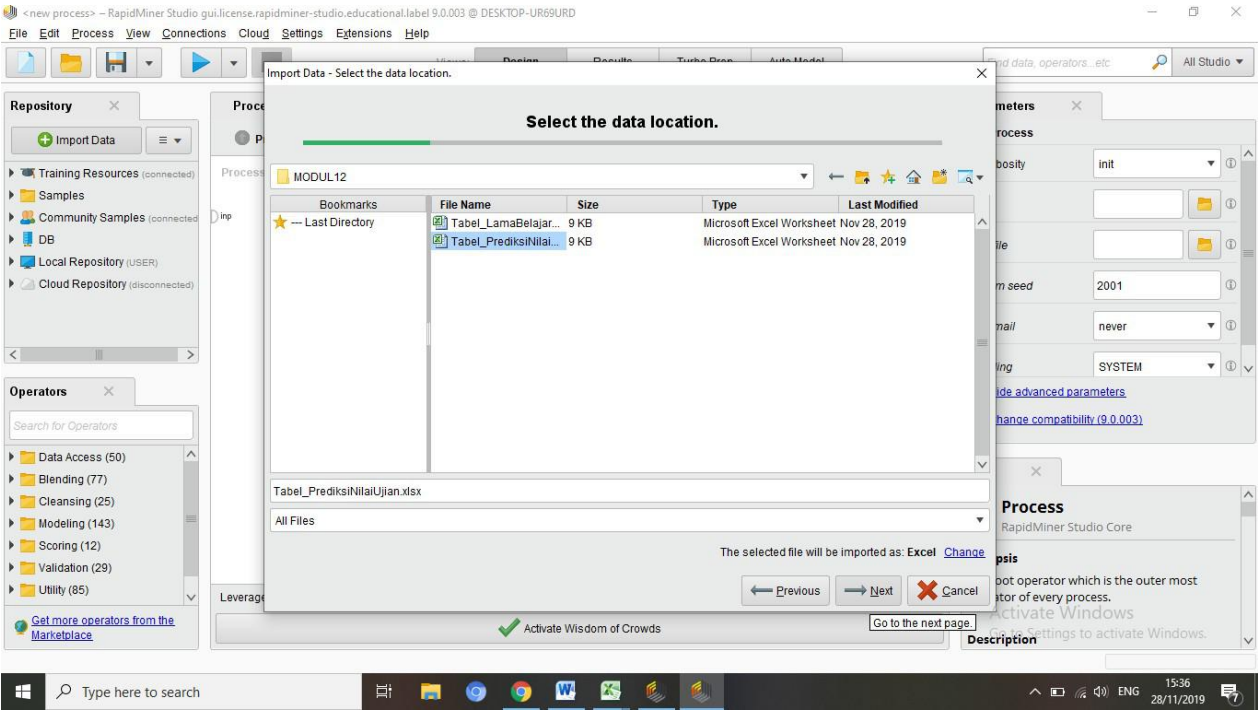
Synopsis

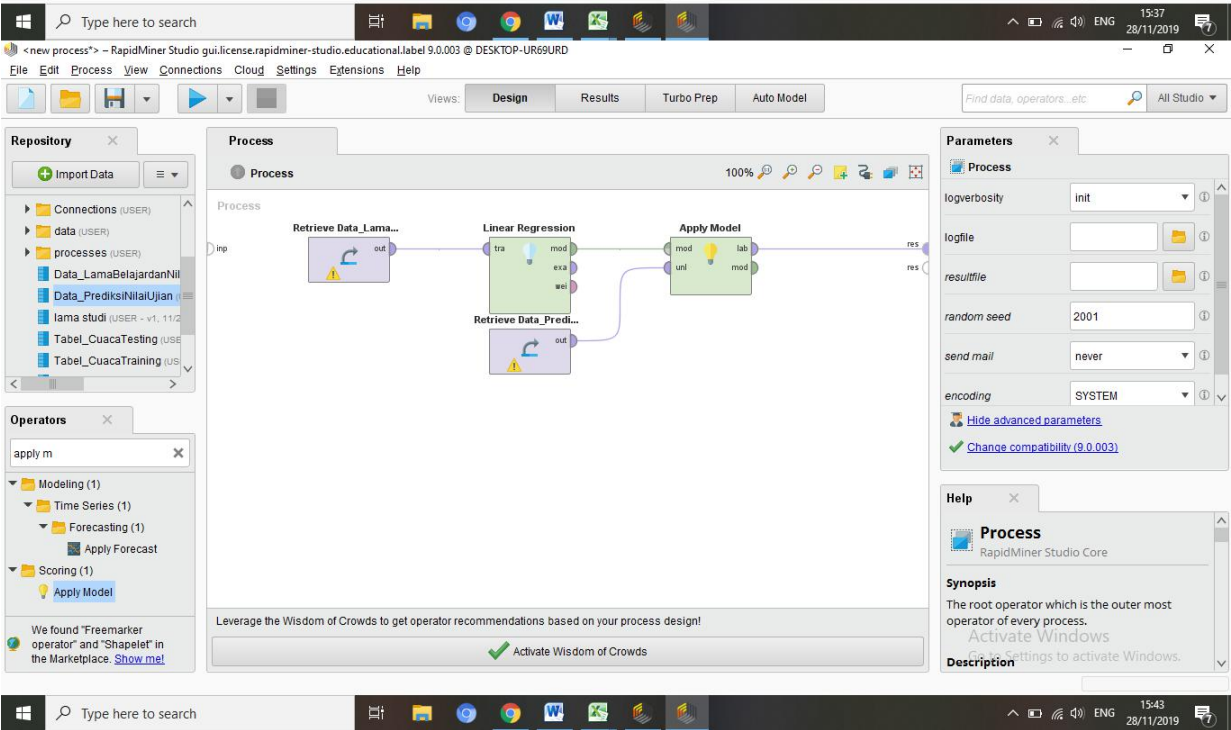
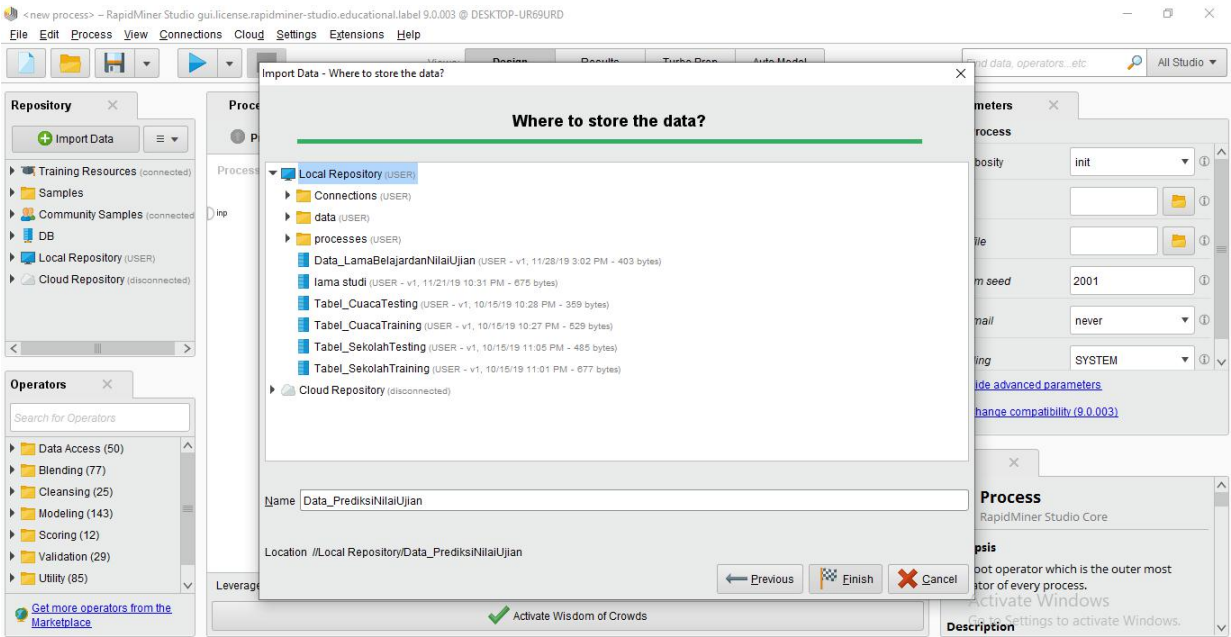
The root operator which is the outer most operator of every process.

Activate Windows

Description

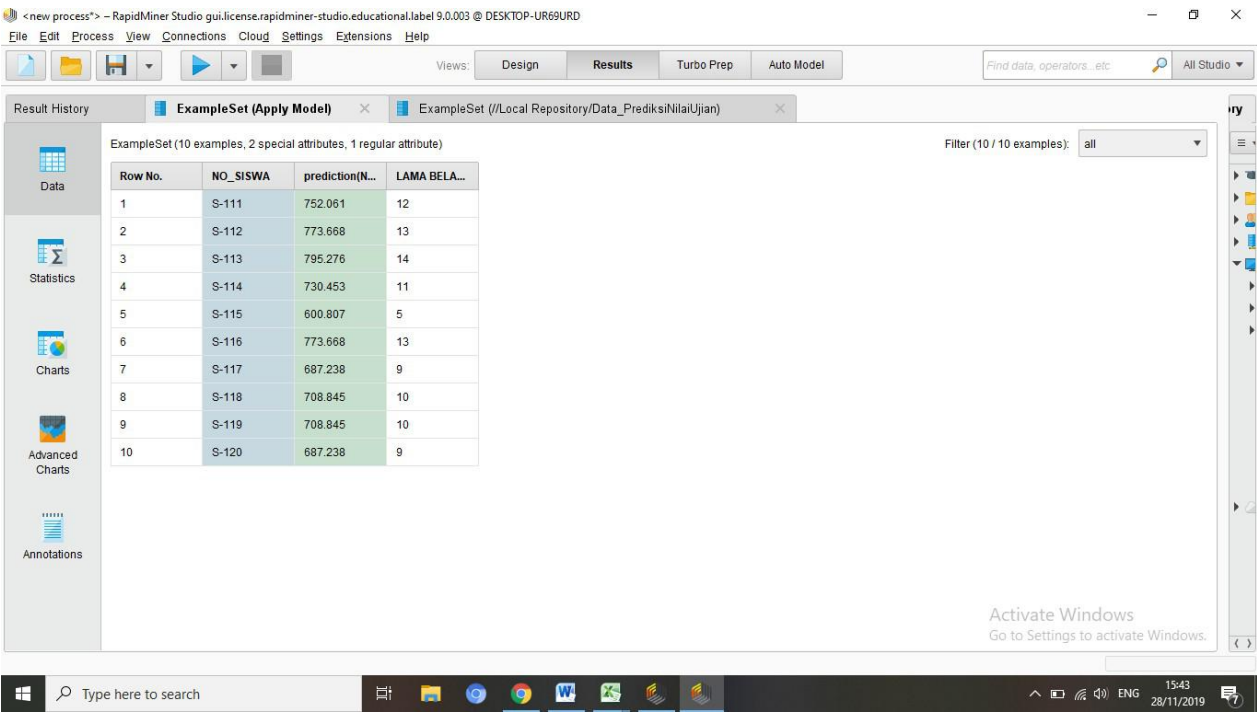
Go to Settings to activate Windows.



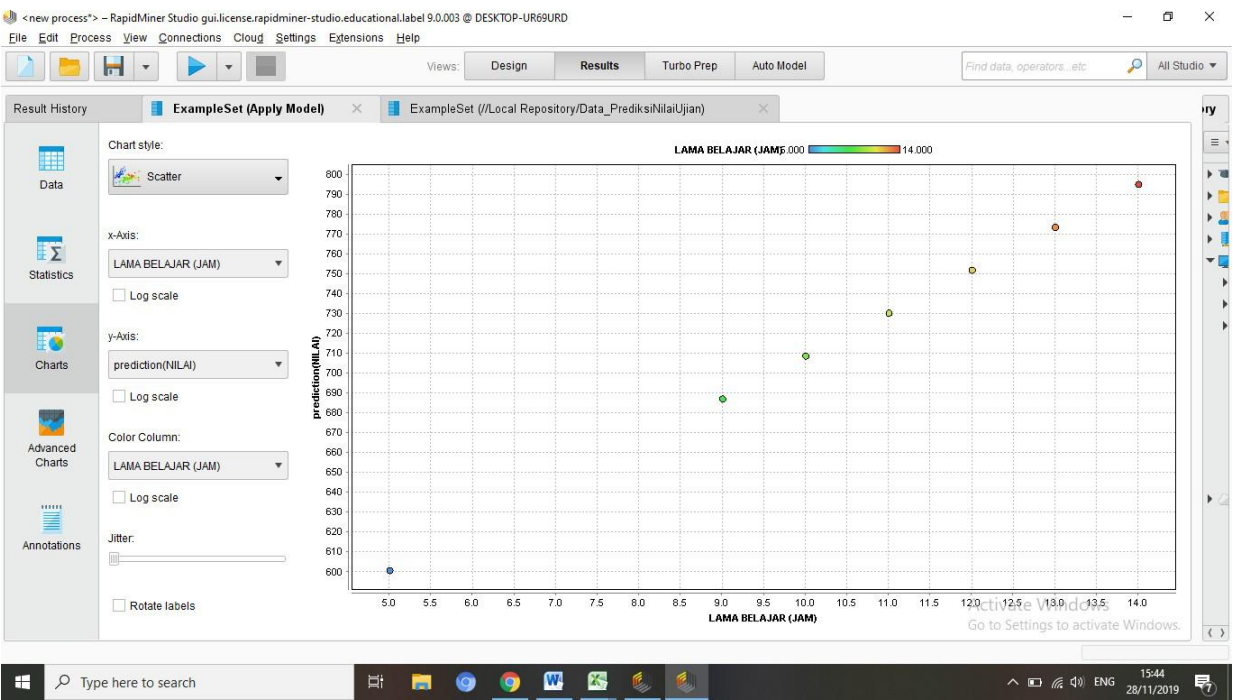


Hasil proses prediksi terhadap data testing menggunakan regresi linier :

a) Data View (mencari besarnya nilai t-hitung)



b) Charts View (Scatter Plot)



3. Pembuktian Model Regresi

$Y = 21,608X_1 + 492,769$

Tabel PrediksiNilaiJum - Microsoft Excel (Product Activation Failed)																		
E3 fx =(21,608*C3)+492,769																		
1	NO_SISWA	NAMA	LAMA BELAJAR	Prediction (NILAI)	Prediction (NILAI)													
2			(JAM)	Tabel	Model Regresi													
3	S-111	BUDI	12	752,061	752,065													
4	S-112	SANTI	13	773,668	773,673													
5	S-113	DIAN	14	795,276	795,281													
6	S-114	DANI	11	730,453	730,457													
7	S-115	AHMAD	5	600,807	600,809													
8	S-116	BAYU	13	773,668	773,673													
9	S-117	RISA	9	687,238	687,241													
10	S-118	RANI	10	708,845	708,849													
11	S-119	YANI	10	708,845	708,849													
12	S-120	RATIH	9	687,238	687,241													
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		

Activate Windows
Go to Settings to activate Windows.

Sheet1 Sheet2 Sheet3

Ready Average: 721,8138 Count: 10 Sum: 7218,138 100% 16:13 28/11/2019