

Nama : Fida Amy N A

NIM : L200170075

Kelas : C

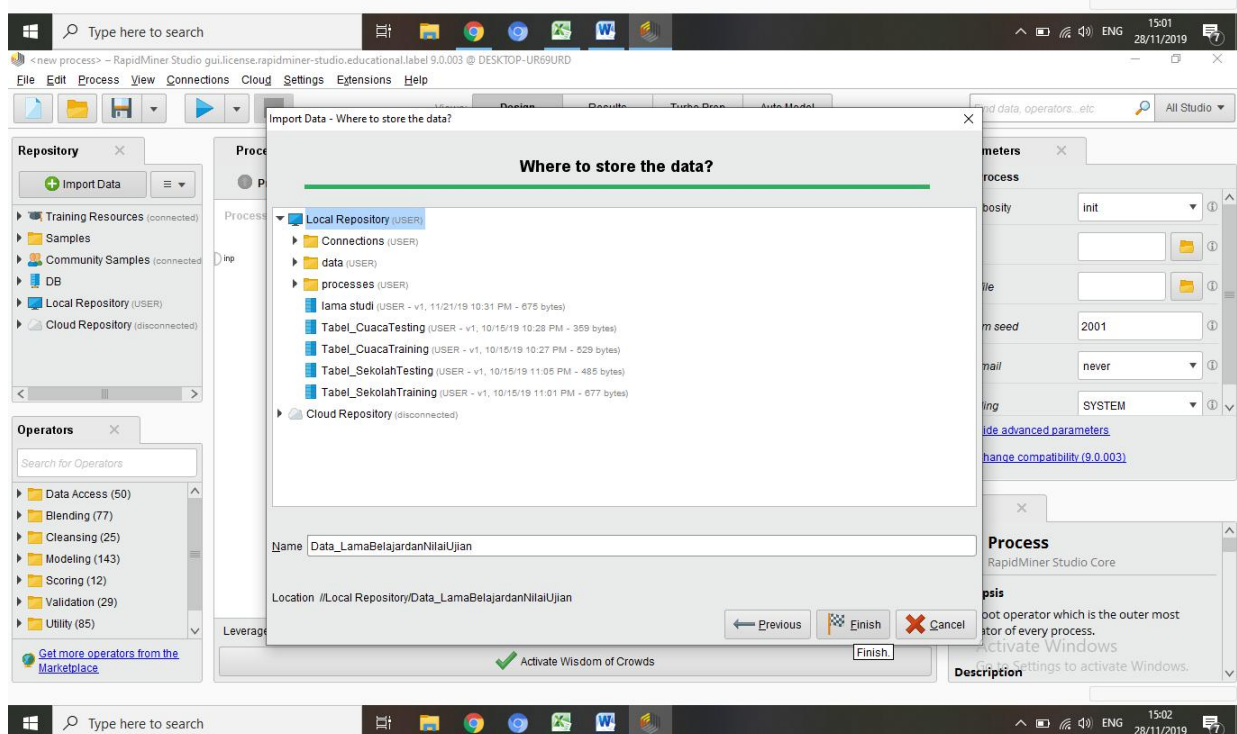
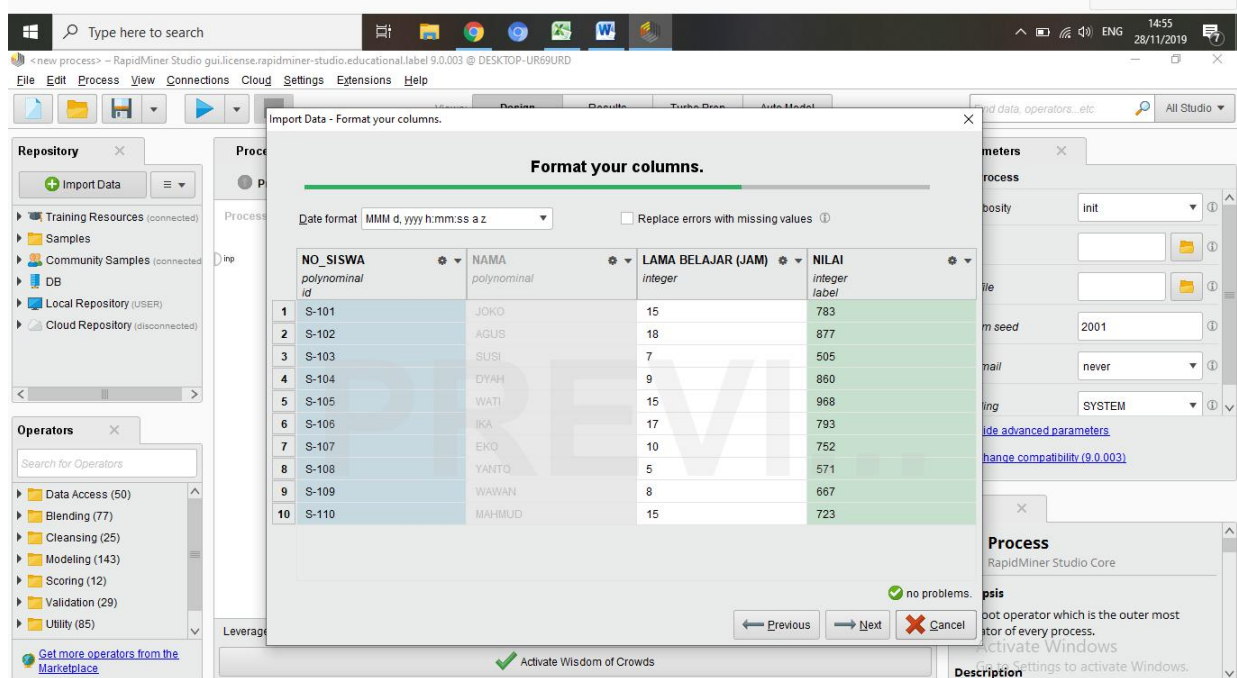
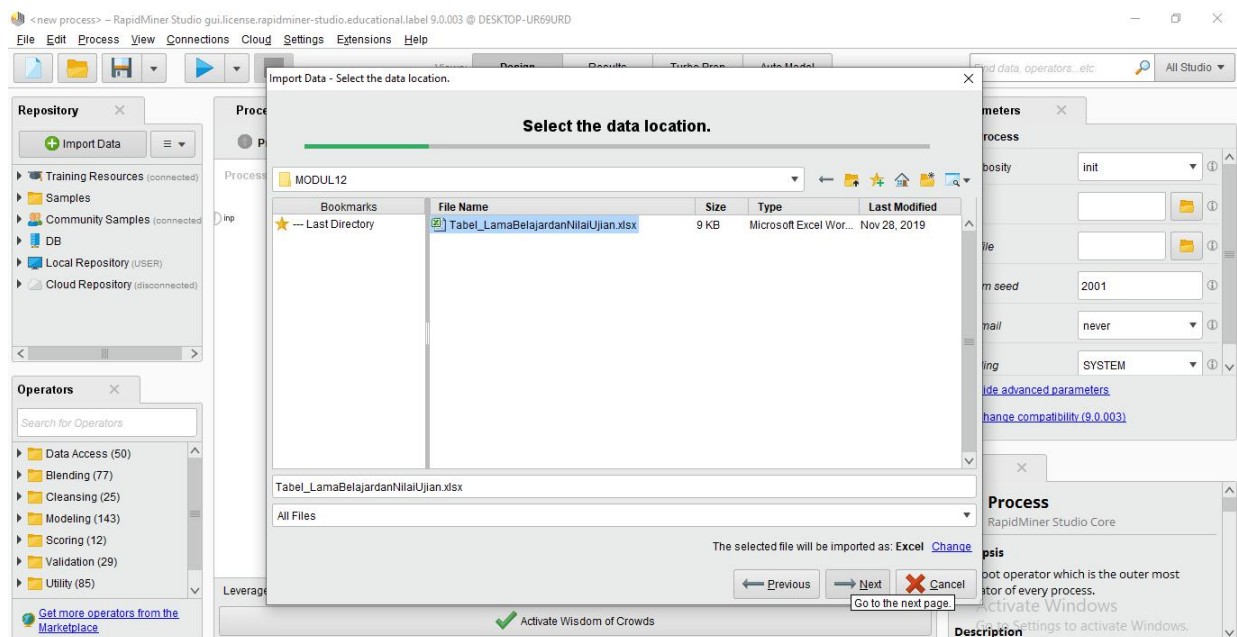
MODUL 12

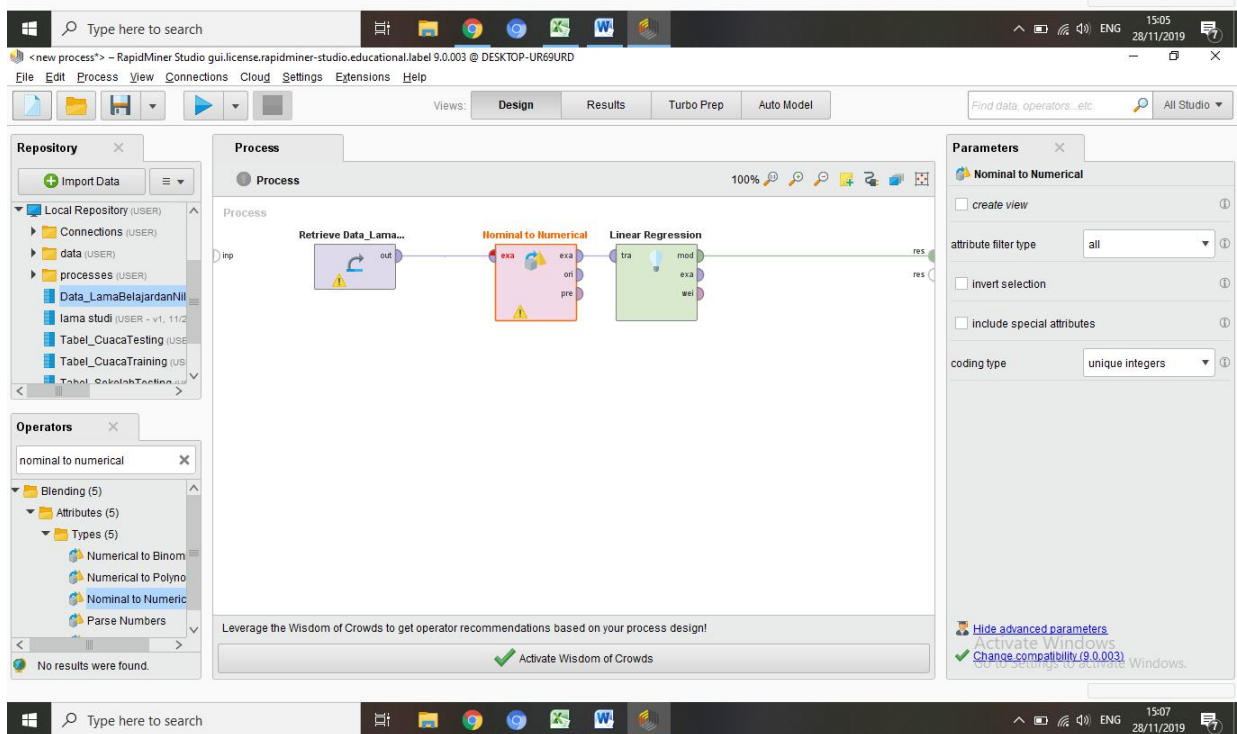
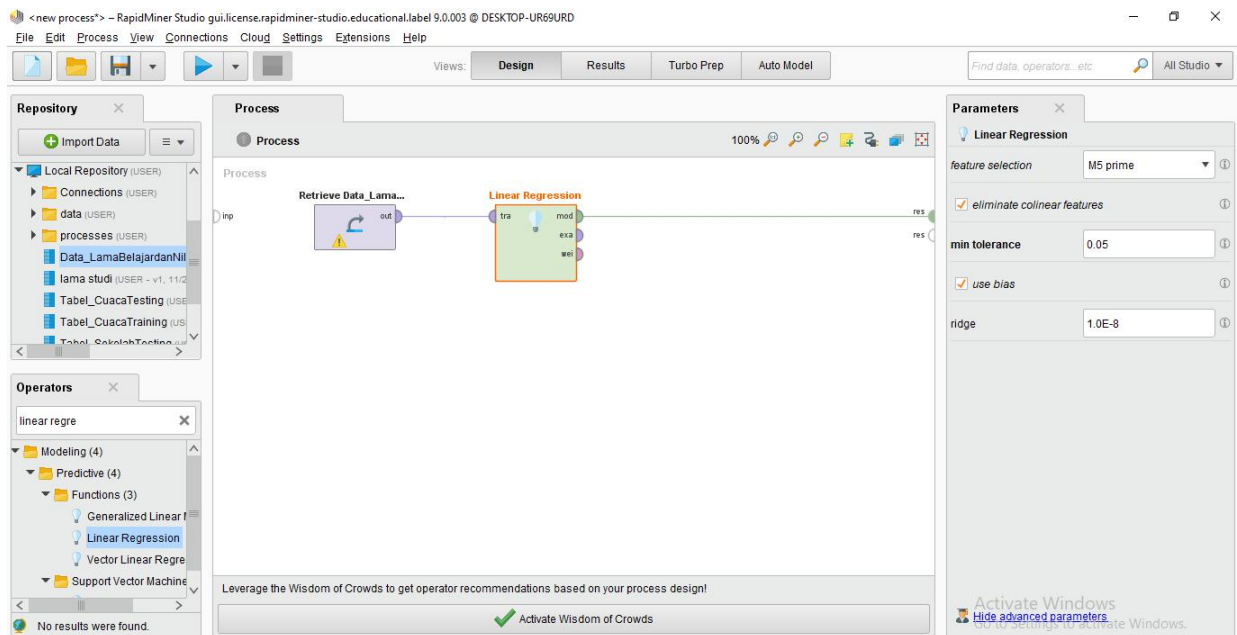
REGRESI LINIER SEDERHANA

LANGKAH – LANGKAH PRAKTIKUM

1. Mencari Nilai t-hitung dan Model Regresi Linier

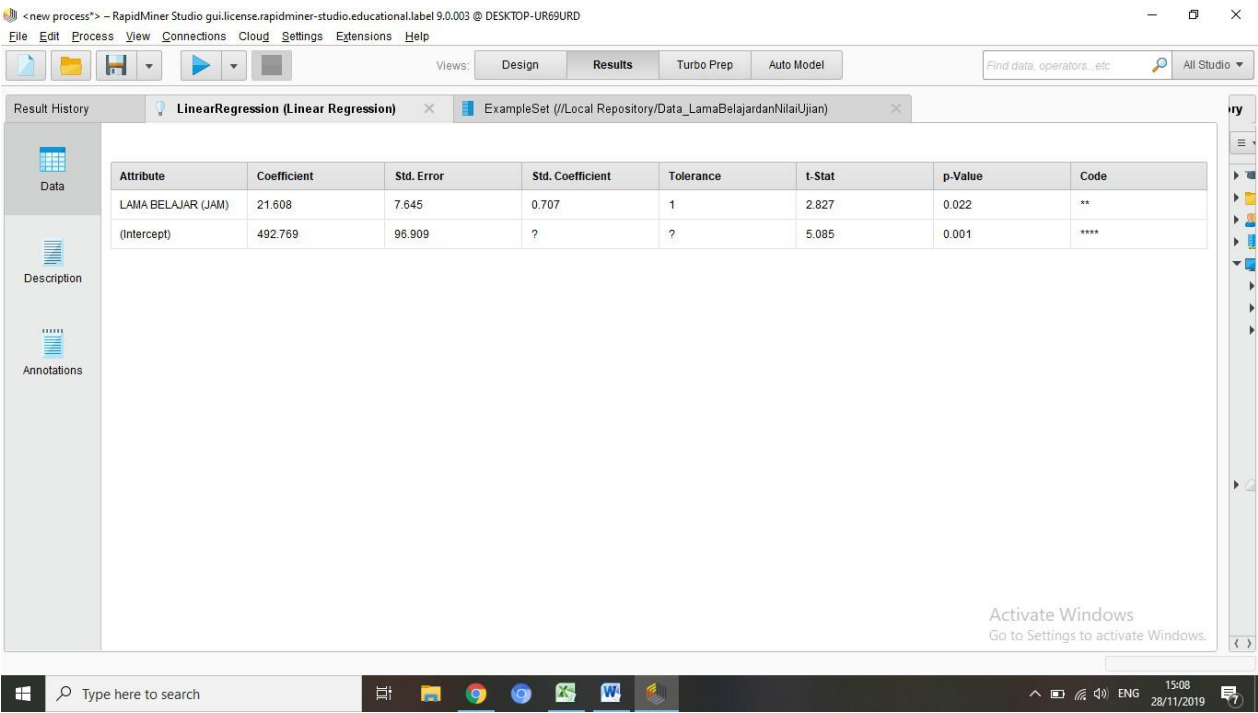
	A	B	C	D
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)	NILAI
2	S-101	JOKO	15	783
3	S-102	AGUS	18	877
4	S-103	SUSI	7	505
5	S-104	DYAH	9	860
6	S-105	WATI	15	968
7	S-106	IKA	17	793
8	S-107	EKO	10	752
9	S-108	YANTO	5	571
10	S-109	WAWAN	8	667
11	S-110	MAHMUD	15	723





Hasil proses regresi linier :

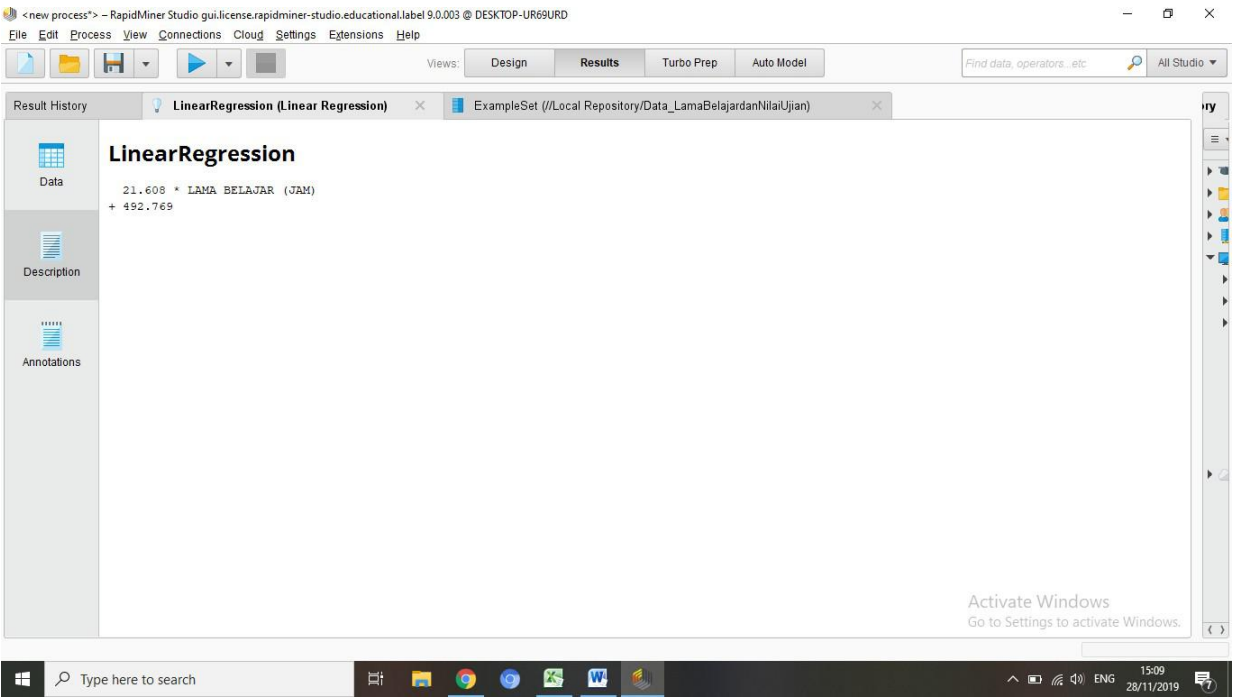
a) Table View (mencari besarnya nilai t-hitung)



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

Repository

Import Data

Training Resources (connected)

Samples

Community Samples (connected)

DB

Local Repository (USER)

Cloud Repository (disconnected)

Operators

Search for 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

logverbosityinit

logfile

resultfile

random seed2001

send mailnever

encodingSYSTEM

Hide advanced parameters

Change compatibility (9.0.003)

Help

Process

RapidMiner Studio Core

Synopsis

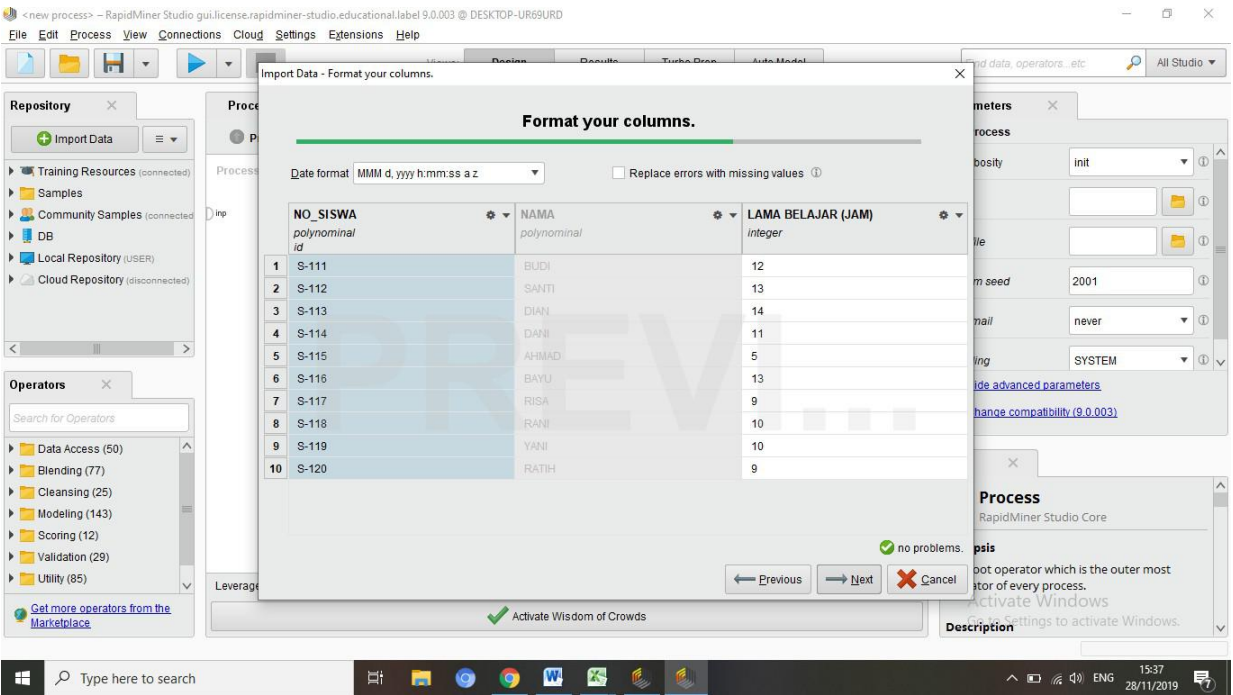
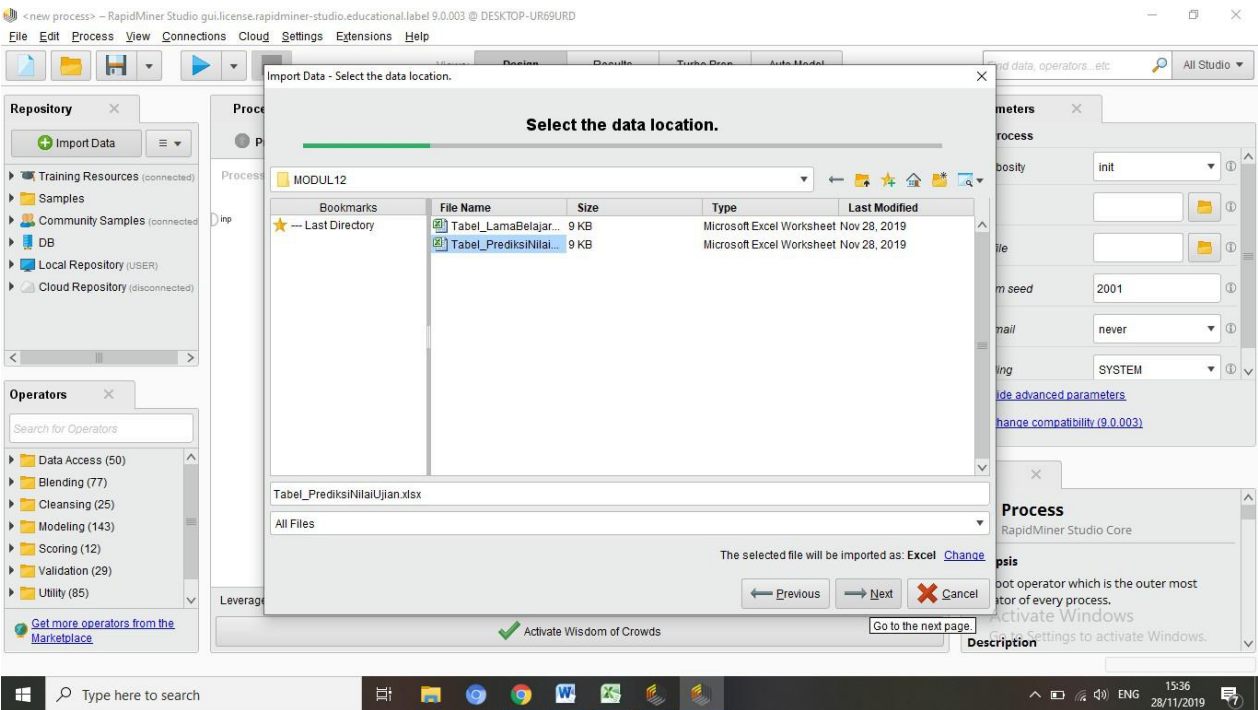
The root operator which is the outer most operator of every process.

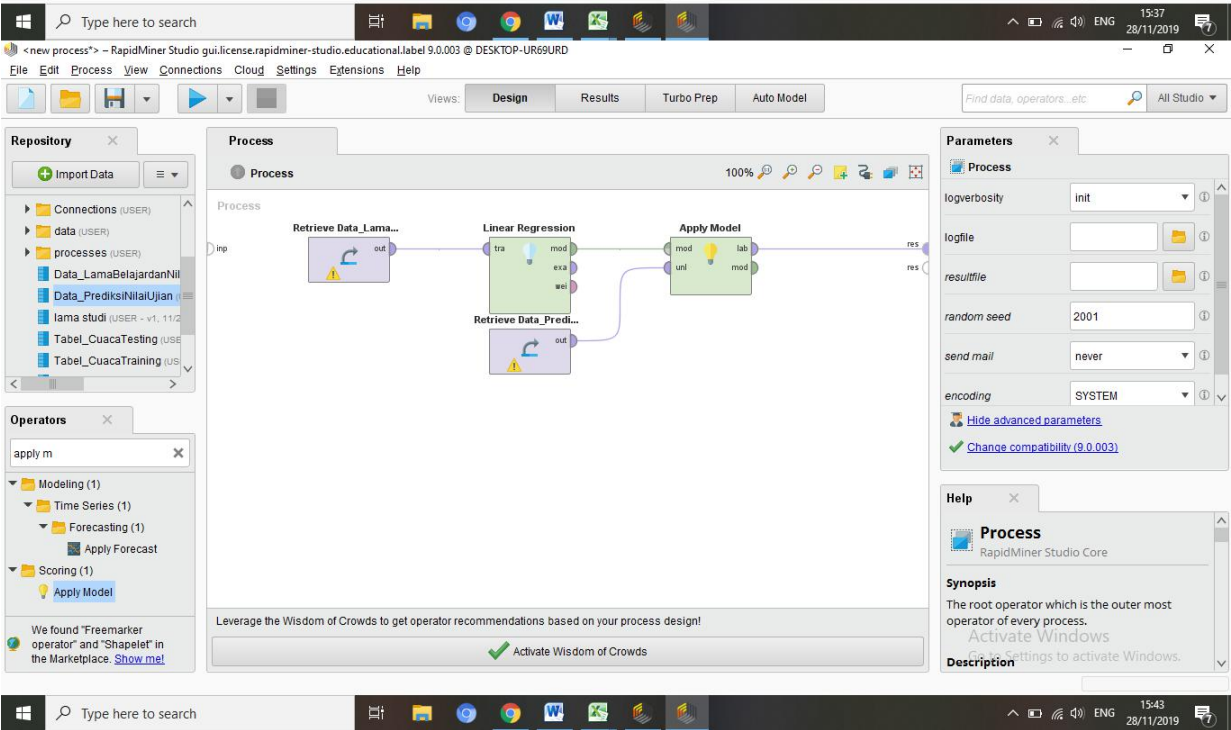
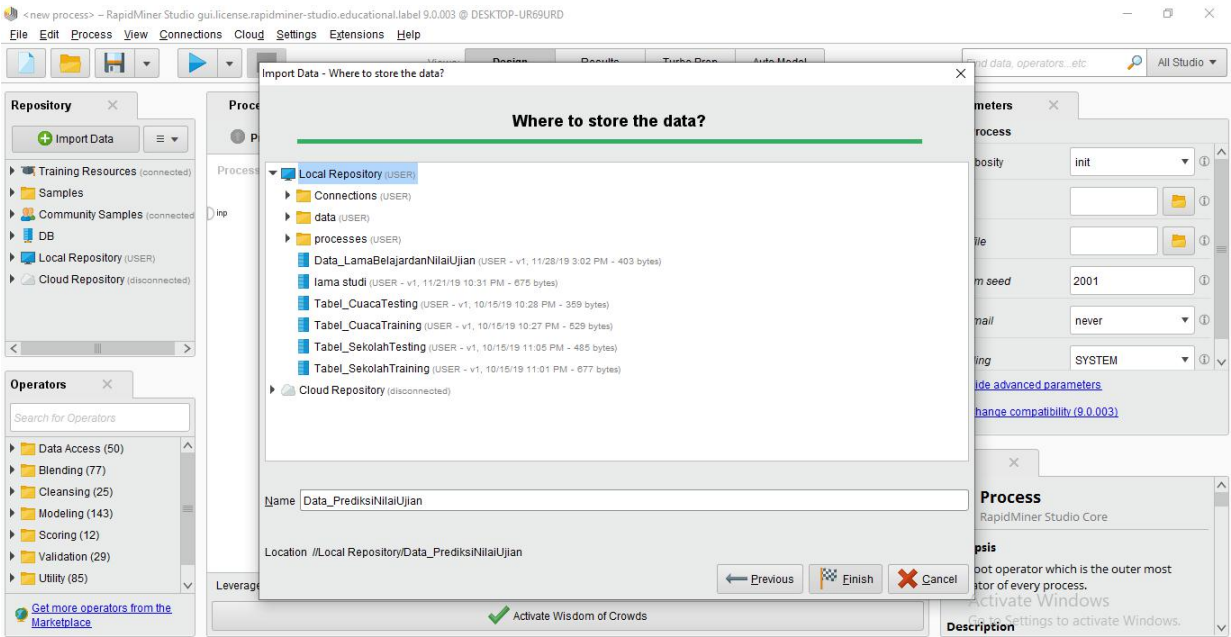
Activate Windows

Go to Settings to activate Windows.

Description

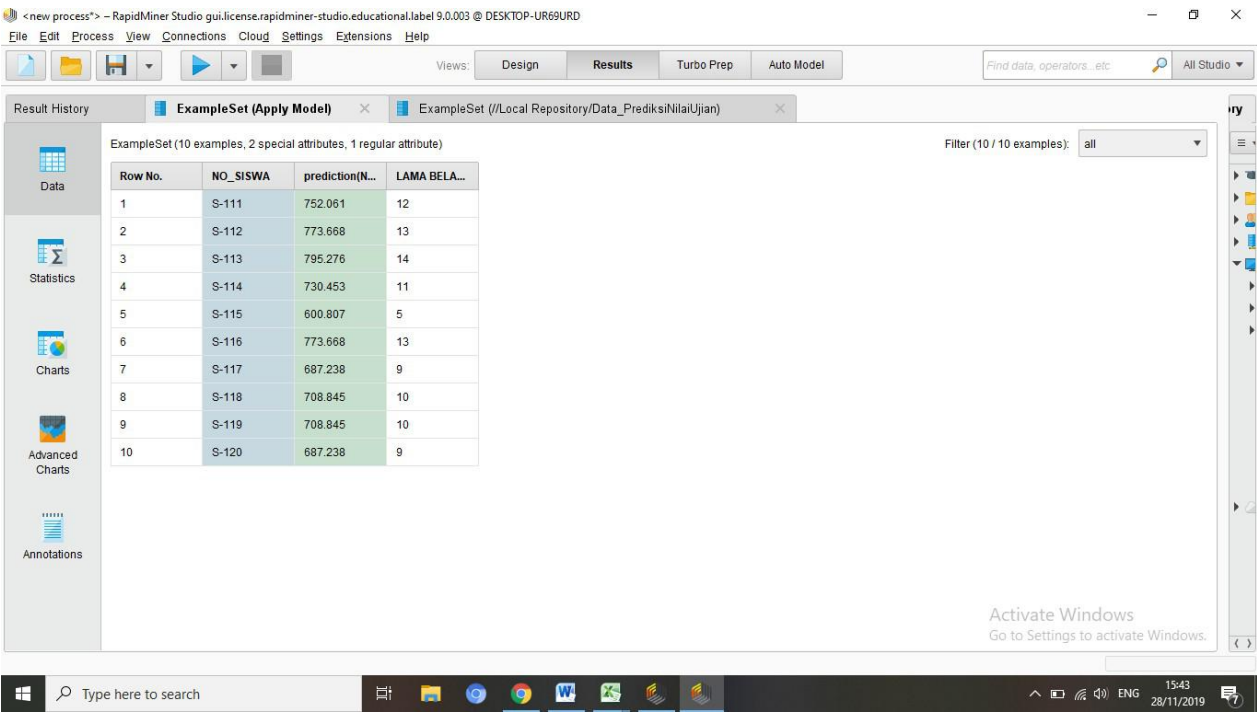




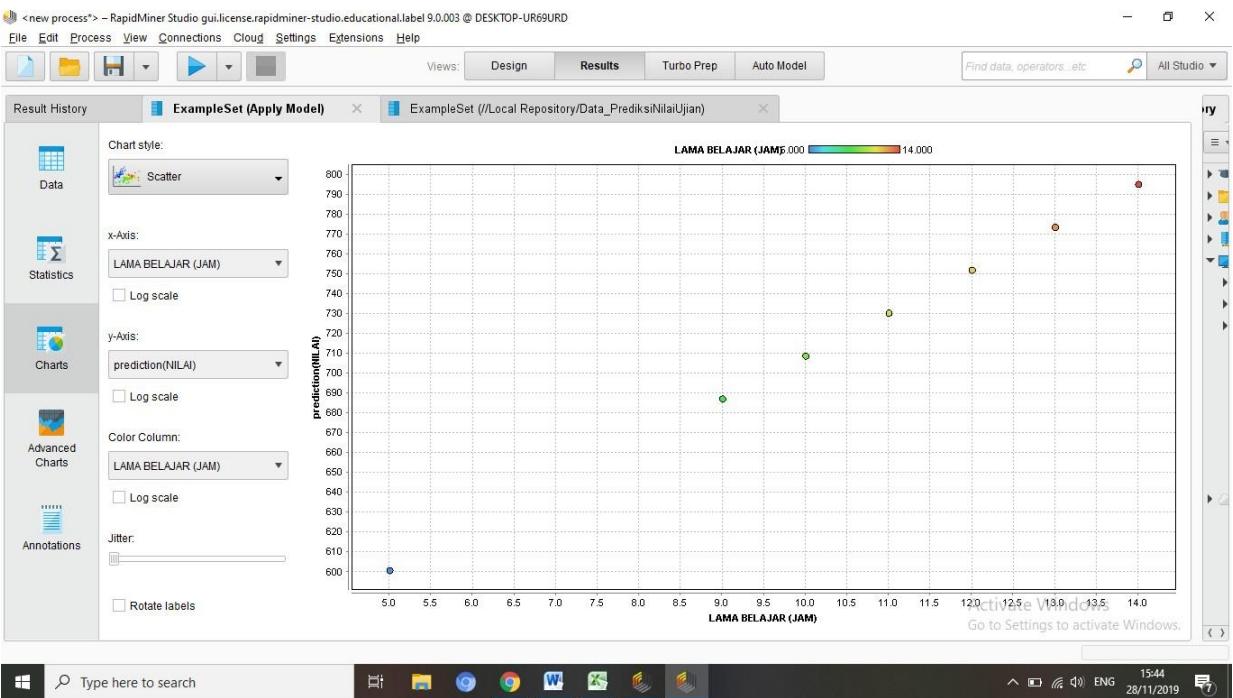


Hasil proses prediksi terhadap data testing menggunakan regresi linier :

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



b) Charts View (Scatter Plot)





3. Pembuktian Model Regresi

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

Tabel PrediksiNilai)jan - 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																		
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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