Nama : Tika Pratiwi

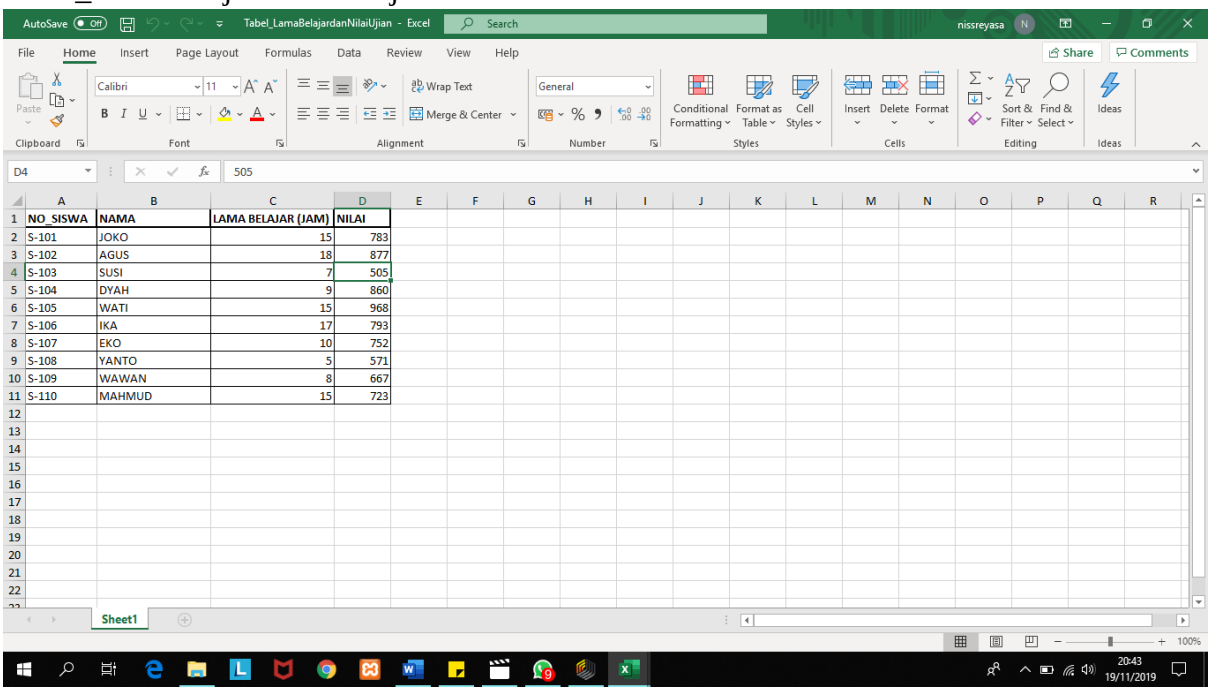
NIM : L200170046

Kelas : C

MODUL 12

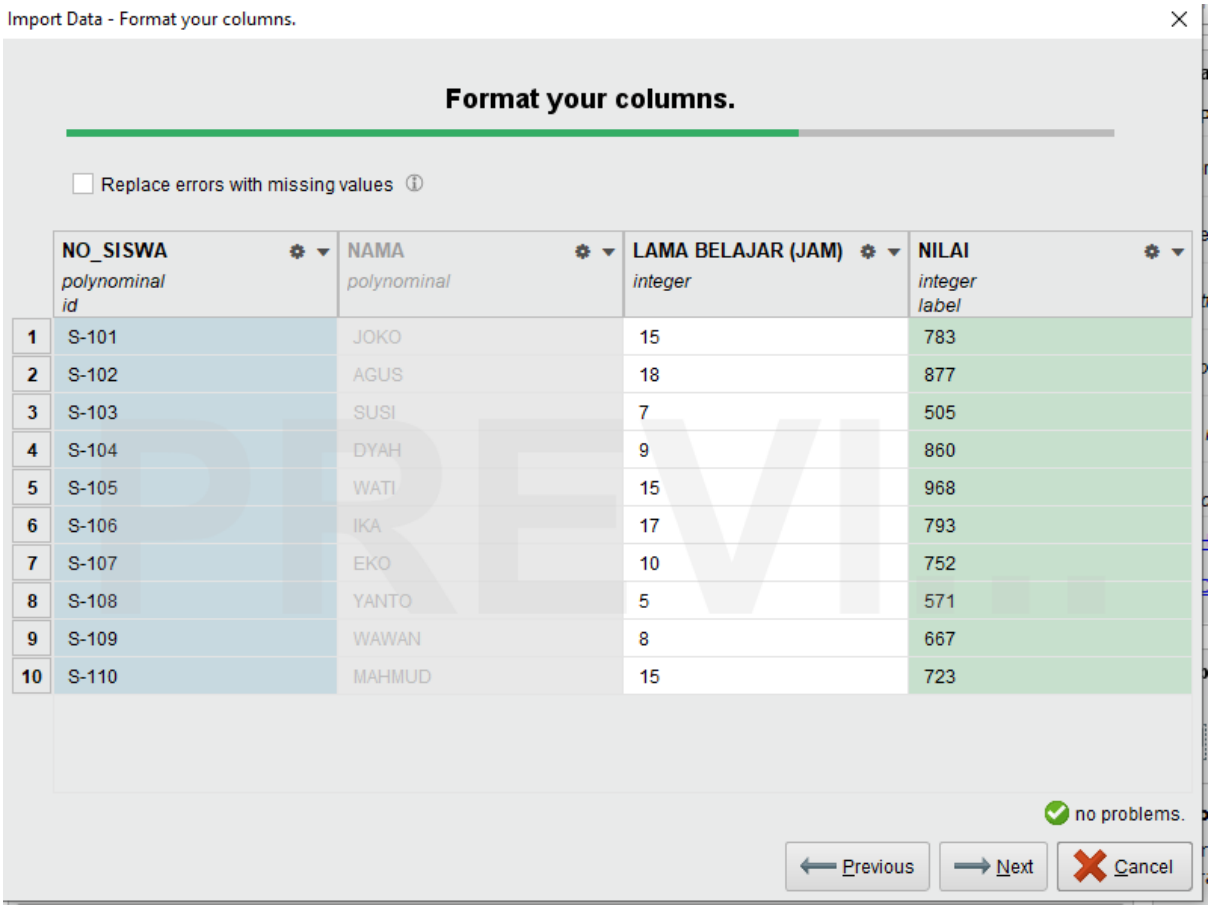
Percobaan 1

1. Buka MS Excel dan buat table data berikut. Lalu simpan dengan nama Tabel_LamaBelajardanNilaiUjian.xlsx



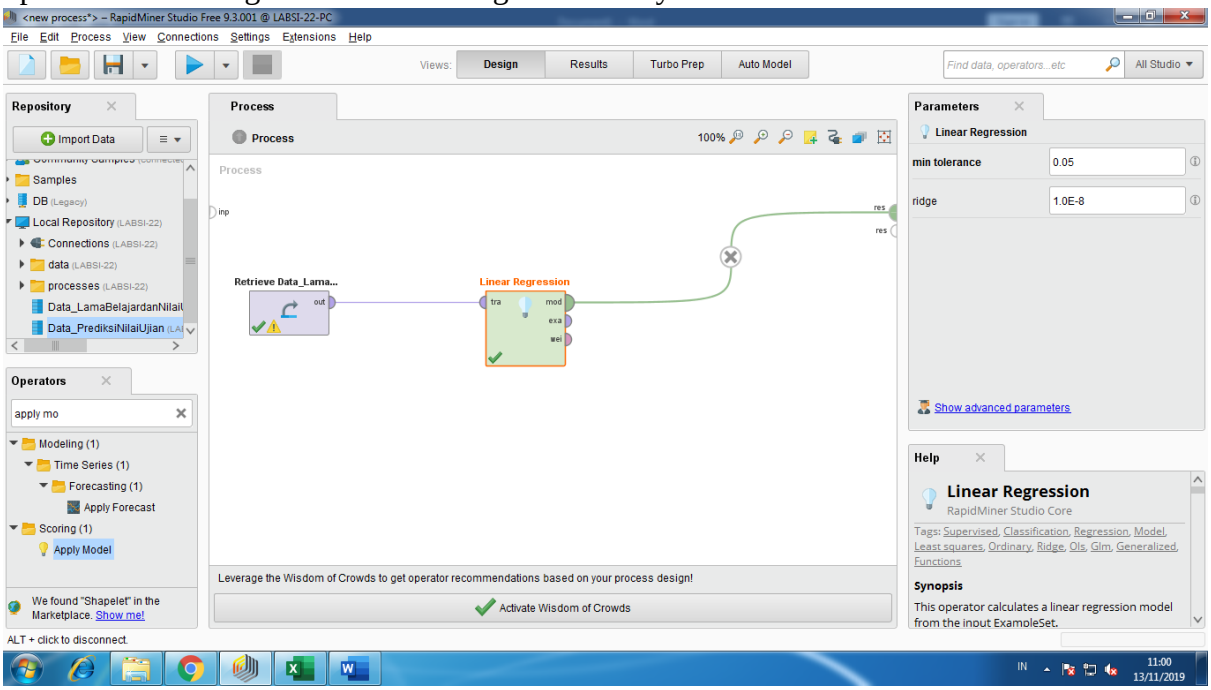
NO_SISWA	NAMA	LAMA BELAJAR (JAM)	NILAI
S-101	JOKO	15	783
S-102	AGUS	18	877
S-103	SUSI	7	505
S-104	DYAH	9	860
S-105	WATI	15	968
S-106	IKA	17	793
S-107	EKO	10	752
S-108	YANTO	5	571
S-109	WAWAN	8	667
S-110	MAHMUD	15	723

2. Jalankan aplikasi RapidMiner
3. Import file Tabel_LamaBelajardanNilaiUjian.xlsx ke dalam RapidMiner
4. Ubah tipe data dan jenis masing-masing atribut sebagai berikut :
   a. NO_SISWA : polynomial, id
   b. NAMA : pilih Exclude Coloumn
   c. LAMA_BELAJAR : integer
   d. NILAI : integer, label

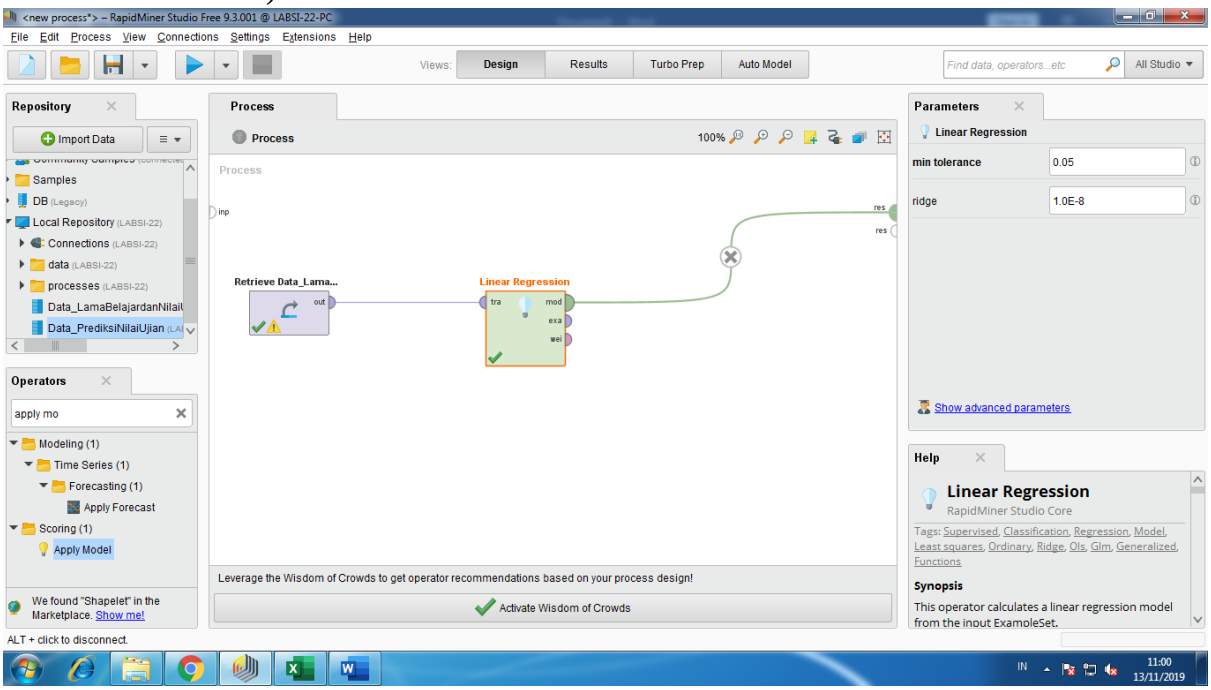


Kemudian klik Finish lalu simpan dengan nama Data_LamaBelajardanNilaiUjian

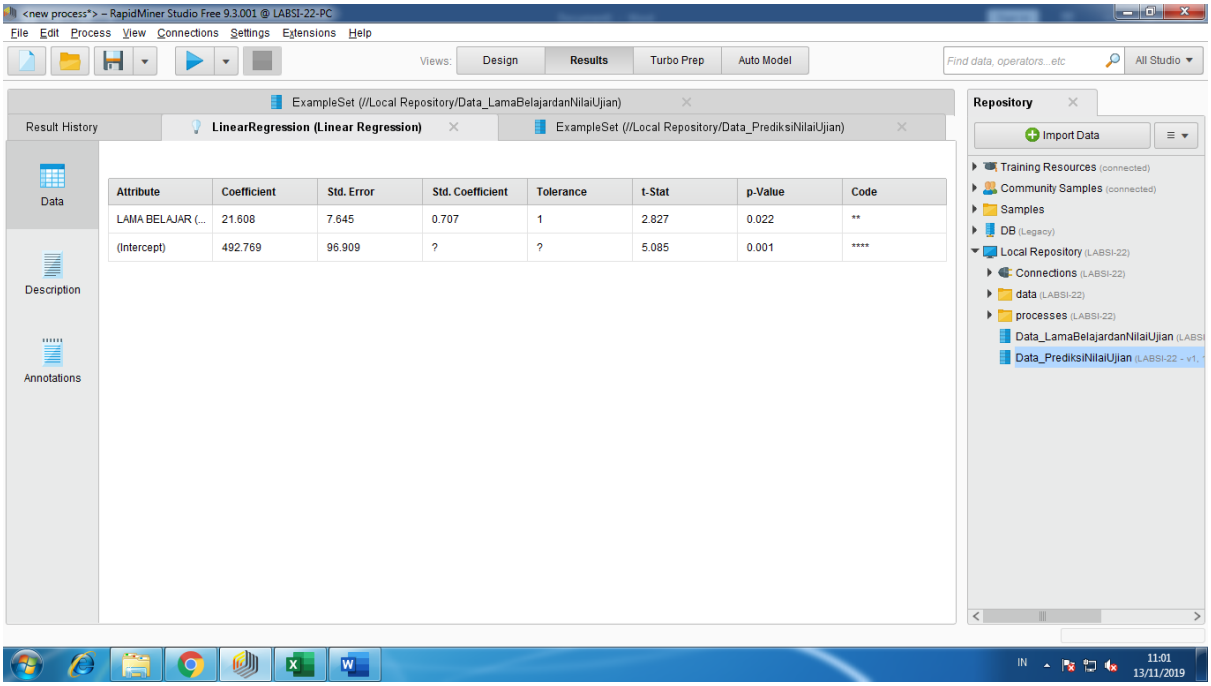
5. Masukkan Data_LamaBelajardanNilaiUjian ke dalam area process. Kemudian cari operator Linear Regression dan hubungkan keduanya.



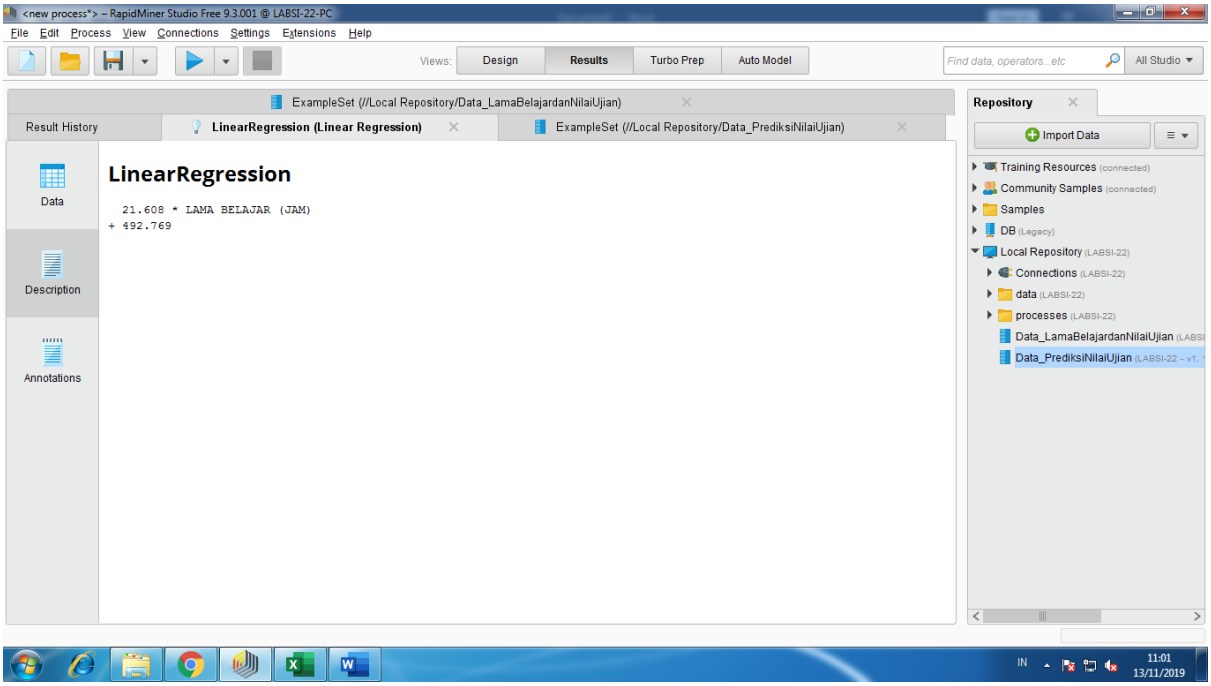
6. Klik operator Linear Regression, tentukan parameter min tolerance = 0.05 (batas toleransi sebesar 5%). Lalu klik F11 atau Run.



7. Hasil :
   a. Table View

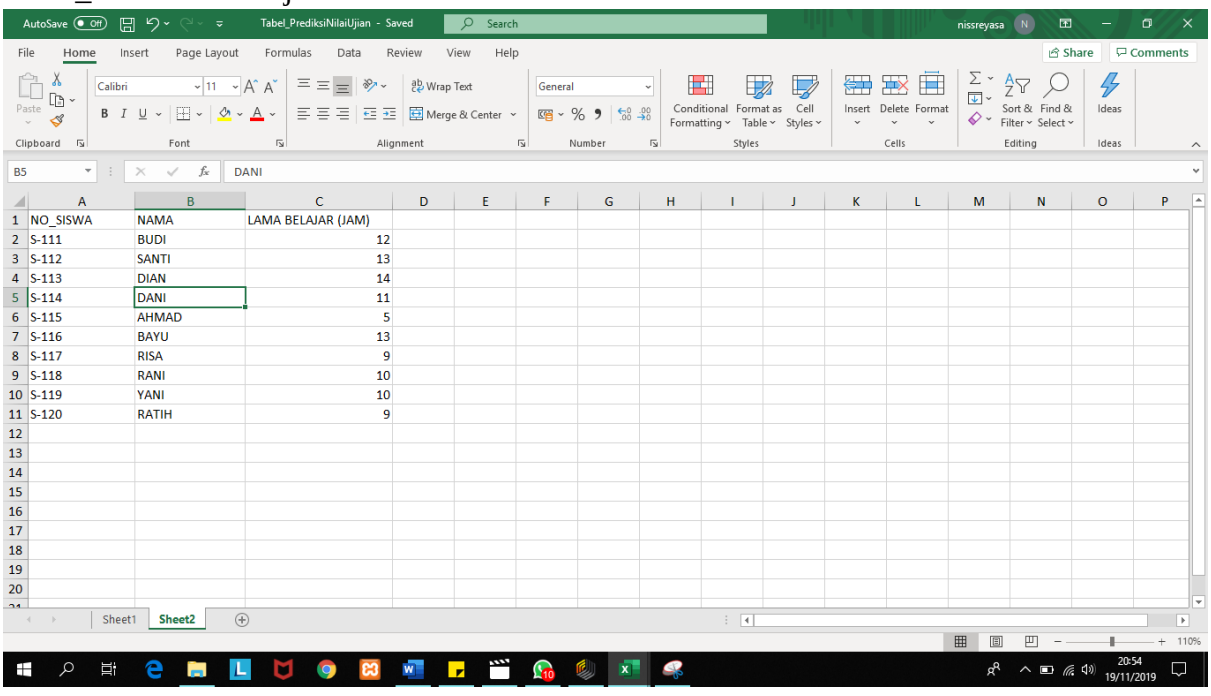


   b. Text View



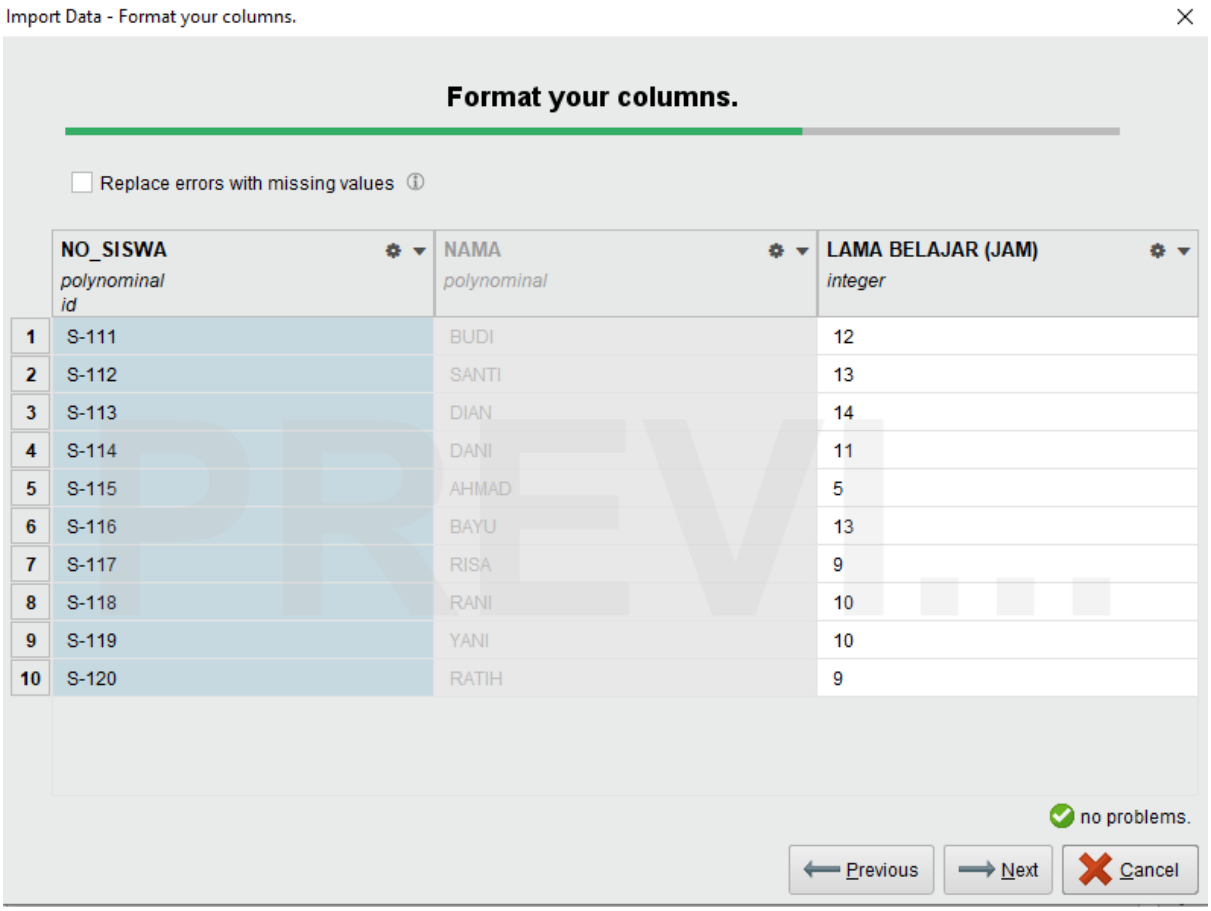
Percobaan 2

1. Buka MS Excel dan buat table data berikut. Lalu simpan dengan nama Tabel_PrediksiNilaiUjian.xlsx



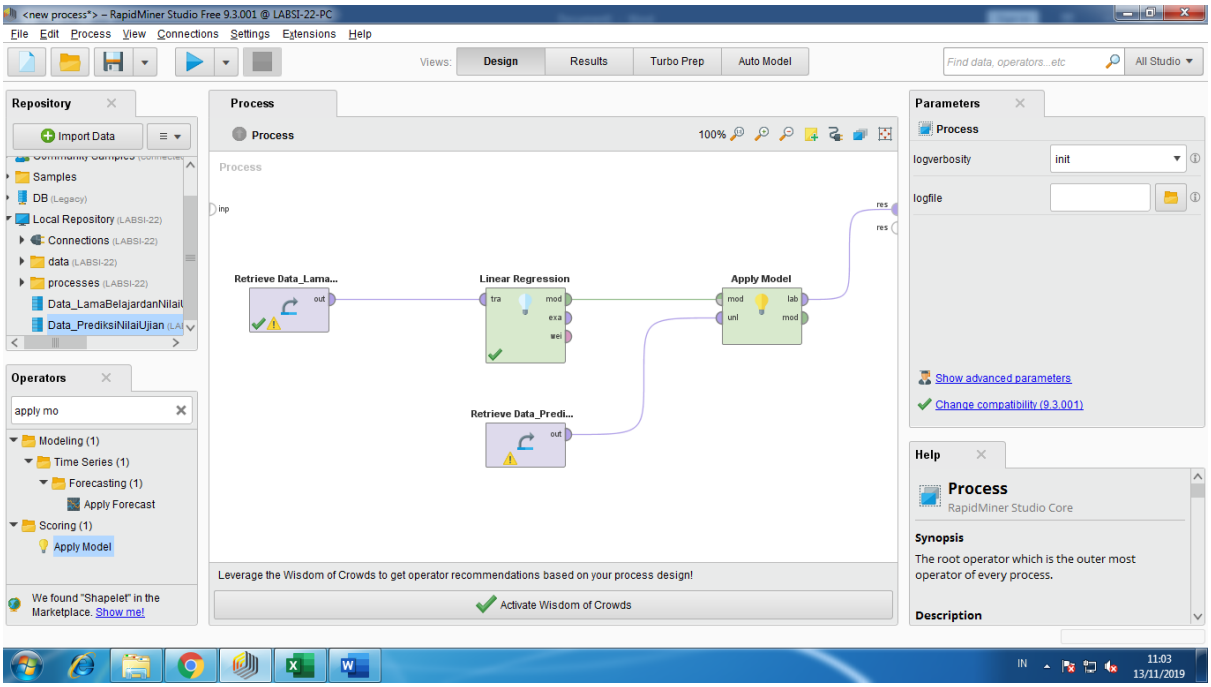
	A	B	C
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)
2	S-111	BUDI	12
3	S-112	SANTI	13
4	S-113	DIAN	14
5	S-114	DANI	11
6	S-115	AHMAD	5
7	S-116	BAYU	13
8	S-117	RISA	9
9	S-118	RANI	10
10	S-119	YANI	10
11	S-120	RATIH	9

2. Jalankan aplikasi RapidMiner
3. Import file Tabel_PrediksiNilaiUjian.xlsx ke RapidMiner
8. Ubah tipe data dan jenis masing-masing atribut sebagai berikut :
   a. NO_SISWA : polynomial, id
   b. NAMA : pilih Exclude Coloumn
   c. LAMA_BELAJAR : integer

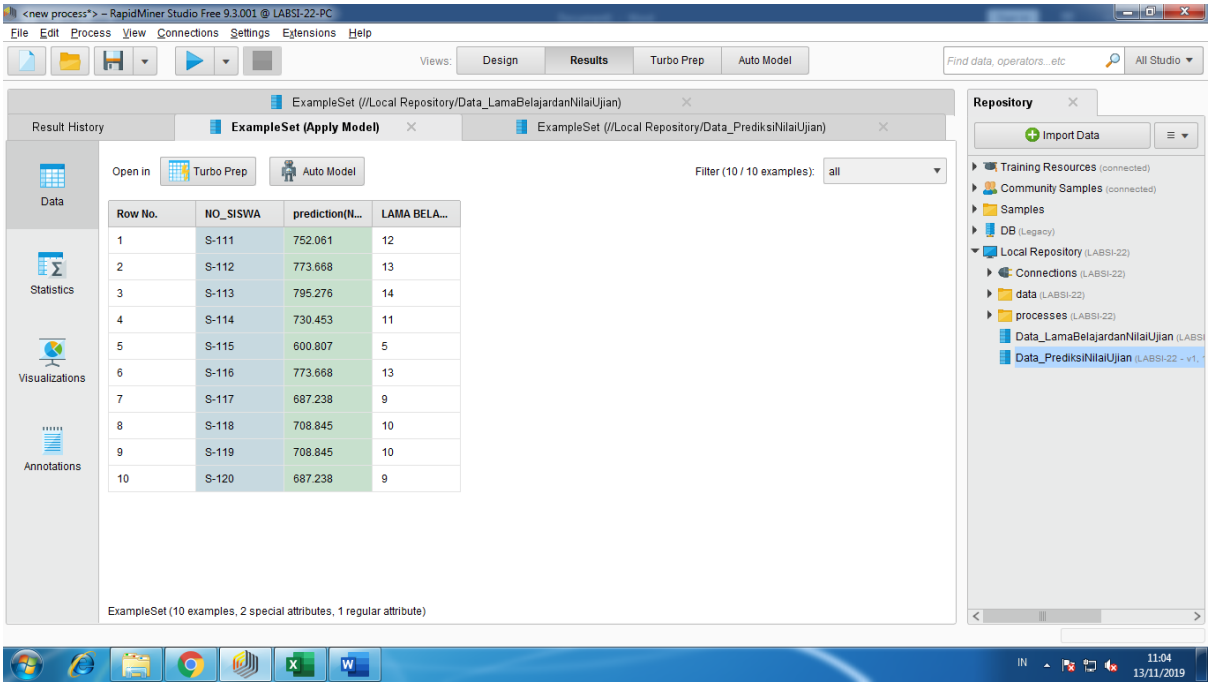


Kemudian klik Finish lalu simpan dengan nama Data_PrediksiNilaiUjian

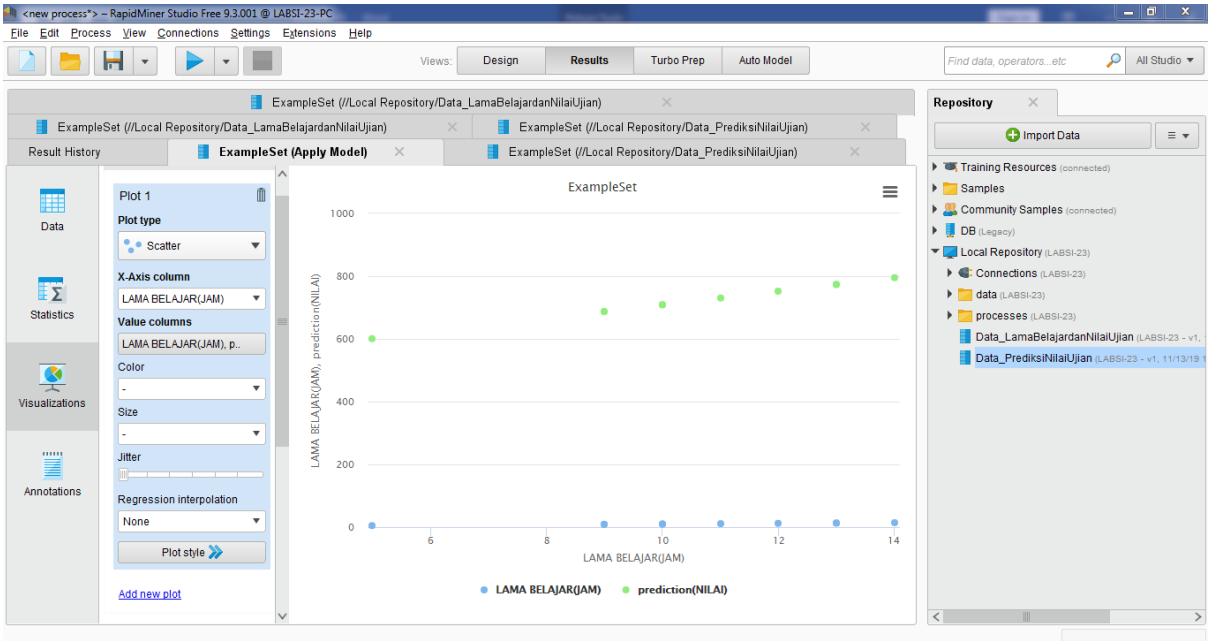
4. Masukkan Data_PrediksiNilaiUjian ke dalam area process. Kemudian cari operator Linear Regression dan Apply Model lalu hubungkan semuanya seperti gambar berikut.



5. Klik operator Linear Regression, tentukan parameter min tolerance = 0.05 (batas toleransi sebesar 5%). Lalu klik F11 atau Run.
6. Hasil
   a. Data View

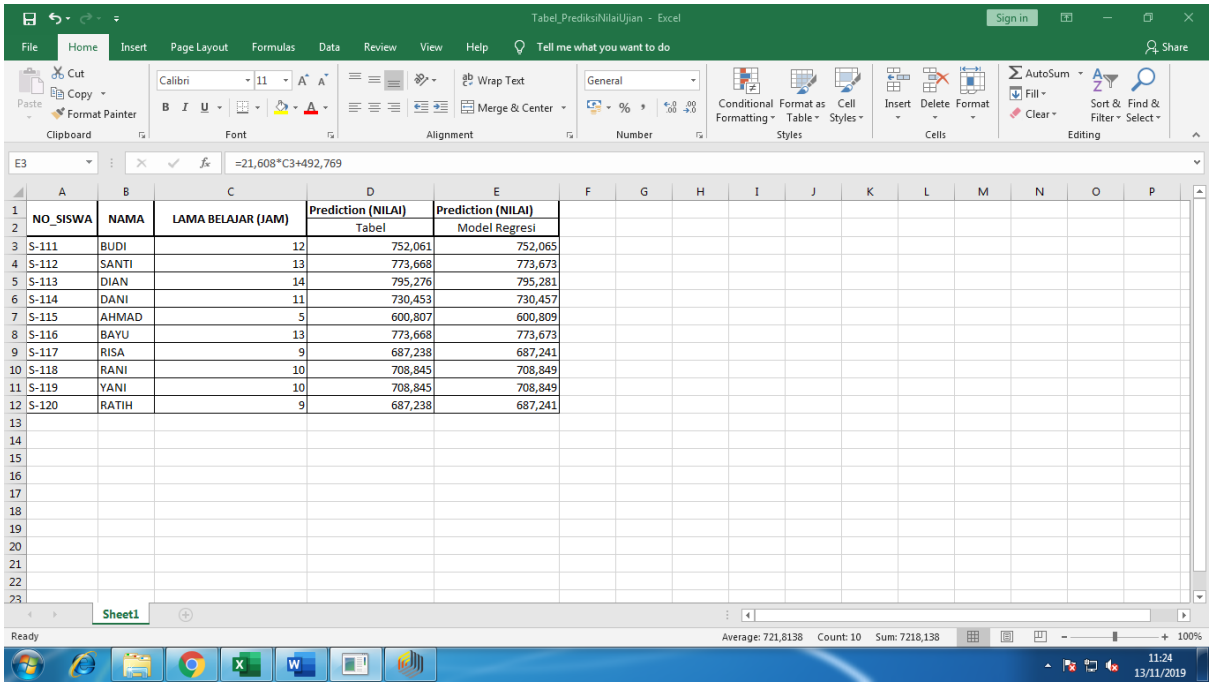


   b. Charts View



Percobaan 3

Pada sel E3 masukkan formula =21,608*C3+492,769 maka akan keluar nilai dari Model Regresi seperti table berikut :



NO_SISWA	NAMA	LAMA BELAJAR (JAM)	Prediction (NILAI) Tabel	Prediction (NILAI) Model Regresi
S-111	BUDI	12	752,061	752,065
S-112	SANTI	13	773,668	773,673
S-113	DIAN	14	795,276	795,281
S-114	DANI	11	730,453	730,457
S-115	AHMAD	5	600,807	600,809
S-116	BAYU	13	773,668	773,673
S-117	RISA	9	687,238	687,241
S-118	RANI	10	708,845	708,849
S-119	YANI	10	708,845	708,849
S-120	RATIH	9	687,238	687,241