

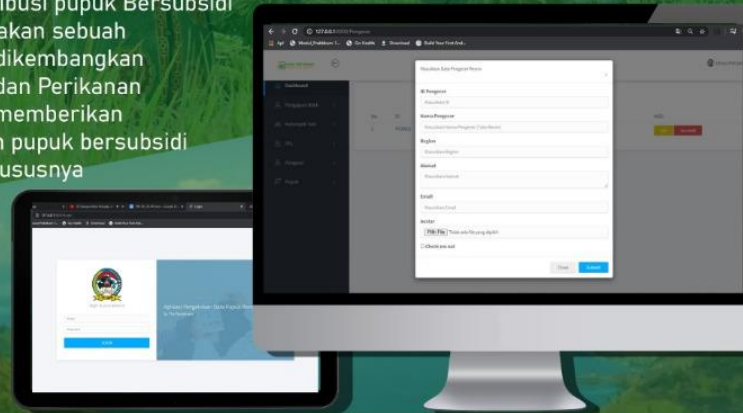
Sistem Informasi Distribusi Pupuk Bersubsidi



KELOMPOK 05

Sistem Informasi Distribusi Pupuk Bersubsidi Kabupaten Toba

"Sistem Informasi Distribusi pupuk Bersubsidi Kabupaten Toba merupakan sebuah sistem informasi yang dikembangkan untuk Dinas Pertanian dan Perikanan Kabupaten Toba untuk memberikan layanan pendistribusian pupuk bersubsidi kepada masyarakat khususnya kelompok tani"



Mengajukan RDKK

Pada fitur ini, Ketua Kelompok Tani diberikan kemudahan untuk mengajukan RDKK kelompok tani mereka tanpa perlu mencetak dokumen fisik, mereka hanya perlu mengisi form RDKK yang tersedia di sistem, untuk melakukan pengajuan



Mengelola data kelompok Tani

Dengan fitur ini Dinas Pertanian diberikan kemudahan untuk manajemen data setiap kelompok tani yang telah terdaftar, sehingga Dinas Pertanian akan lebih mudah mengontrol, dan memantau kelompok tani, dengan tujuan bisa mengurangi praktik pengajuan RDKK dari kelompok tani yang tidak jelas.



Mengelola data PPL

Fitur ini memudahkan Dinas Pertanian dalam mendata para PPL di setiap daerah, yang membuat kinerja Dinas Pertanian lebih efisien dan data yang di dapat lebih akurat



Mengelola data Pengajuan RDKK

Fitur ini dapat membantu PPL dan Dinas Pertanian untuk mengamati, menyaring, dan menganalisis RDKK yang ada secara lebih cepat, dan memberikan verifikasi RDKK yang telah diajukan oleh setiap kelompok tani melalui ketua mereka.



Mengelola data distribusi pupuk

Fitur ini memberikan kemudahan kepada Dinas Pertanian untuk memantau distribusi pupuk yang akan dan telah di distribusikan, sehingga Dinas Pertanian bisa mengetahui berapa jumlah pupuk yang terpenuhi dan yang belum terpenuhi



Mengelola laporan bulanan

Laporan Bulanan harus disertakan seluruh RDKK yang masuk, daftar kelompok tani penerima pupuk bersubsidi, jenis pupuk yang ditebus, jumlah pupuk yang ditebus, jumlah penembusan dari produsen, tanggal pupuk sampai kepada pengecer resmi dan jumlah pupuk yang telah digunakan oleh kelompok tani

DEVELOPING WITH :



Back Ground

To support the development of agriculture in Indonesia, the Government of Indonesia provides agricultural support that aims to improve the quality of agriculture in Indonesia



Government's Support



Agricultural support products from Indonesian Government such as superior seeds, fertilizers, agricultural equipment and agricultural extension services



Government's Support Distribution

- ▶ Distribution of subsidized fertilizer and other government assistance is carried out by the Agriculture Agency in each Regency.
- ▶ Distribution of subsidized fertilizer and other government assistance is carried out by the Agriculture Agency in each Regency
- ▶ In Toba Samosir Regency there are around 800 productive farmer groups that are active in receiving agricultural assistance.

Scope

- ▶ To develop a Subsidized Fertilizer Distribution Information System
- ▶ The process of developing this information system will go through several stages of Software Development Live Cycle (SDLC).
- ▶ To build this information system, the tools used are SQLyog, XAMPP, MySQL, Laravel Framework and Git

Tools

- Tools beserta peralatan yang dibutuhkan dalam pembangunan proyek ini yaitu:

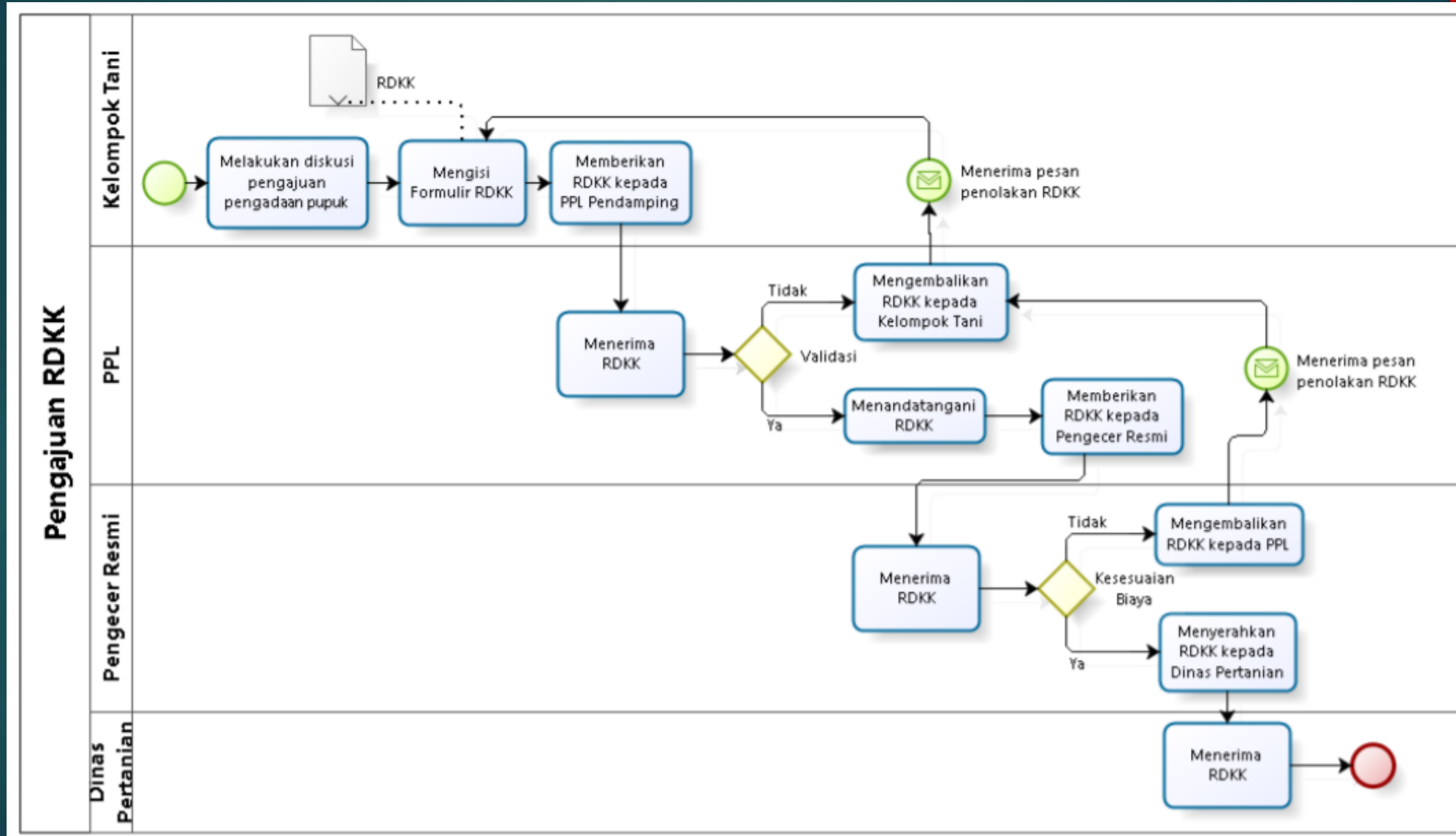
1. Computer : Windows 10 Education
2. Build tool : Visual Studio Code
3. Version Control : Git 1.9.5
4. Administration tool : SQLyog
5. Framework : Laravel Framework
6. DBMS : MySQL

Current System

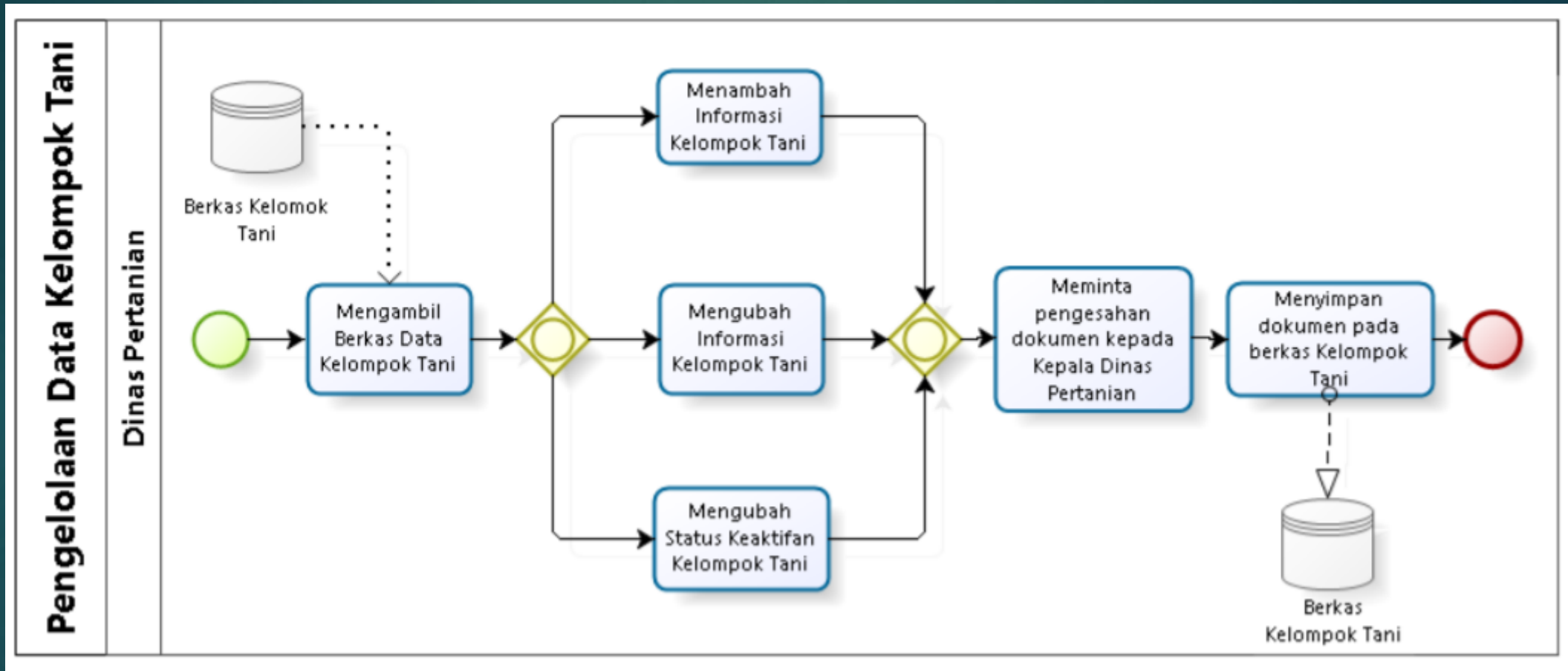
The government provides support to Indonesian farmers by providing assistance and subsidies to several agricultural allowances such as tractors, seeds, and especially fertilizer. In order to receive subsidized fertilizer, people who work as farmers should be incorporated in the farmer group. The head of the farmer group will later submit the procurement of subsidized fertilizer through Rencana Defenitif Kebutuhan Kelompok (RDKK). The RDKK will be validated by the Field Agricultural Instructor. After validated, PPL will provide RDKK to the Official Subsidized Fertilizer Retailers.

RDKK will reach the Toba District Agriculture and Fisheries Office through a number of review and validation stages. All activities are carried out manually starting from filling out forms, validation and verification conducted by PPL, and the Department of Agriculture. RDKK who passed the selection will be submitted to the Province Department of Agriculture

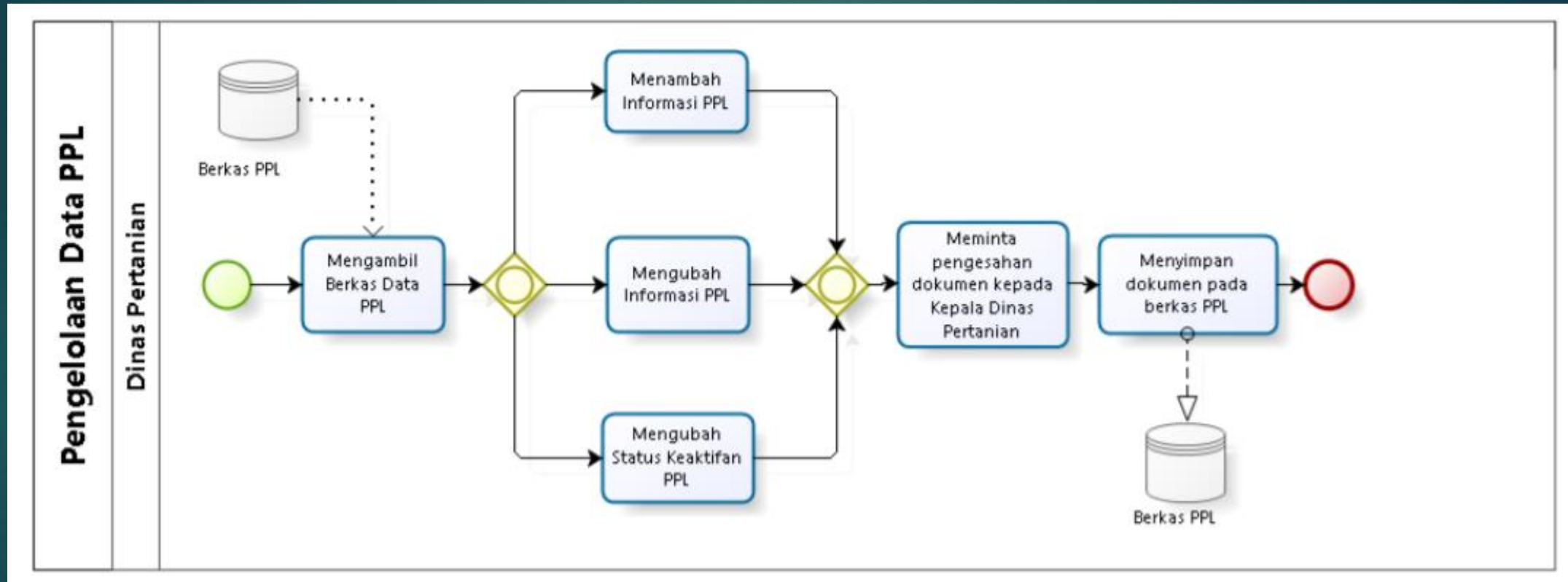
RDKK Submission Business Process



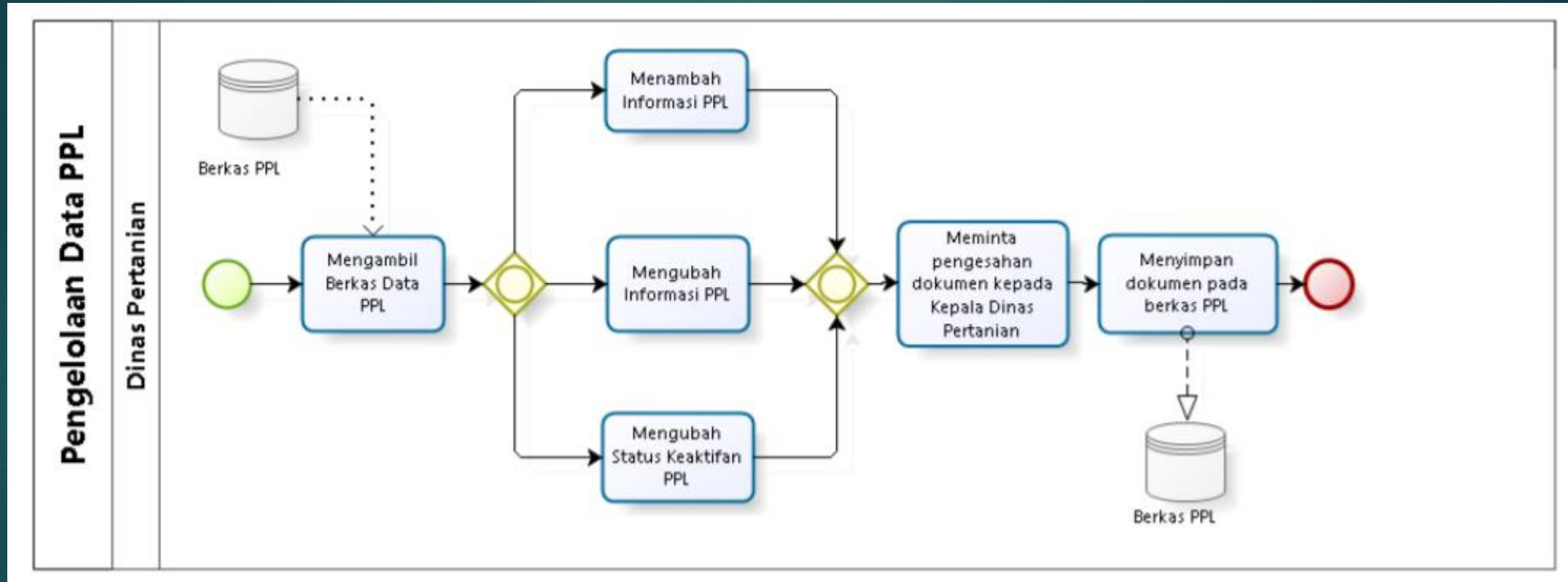
Kelompok Tani Data Management Business Process



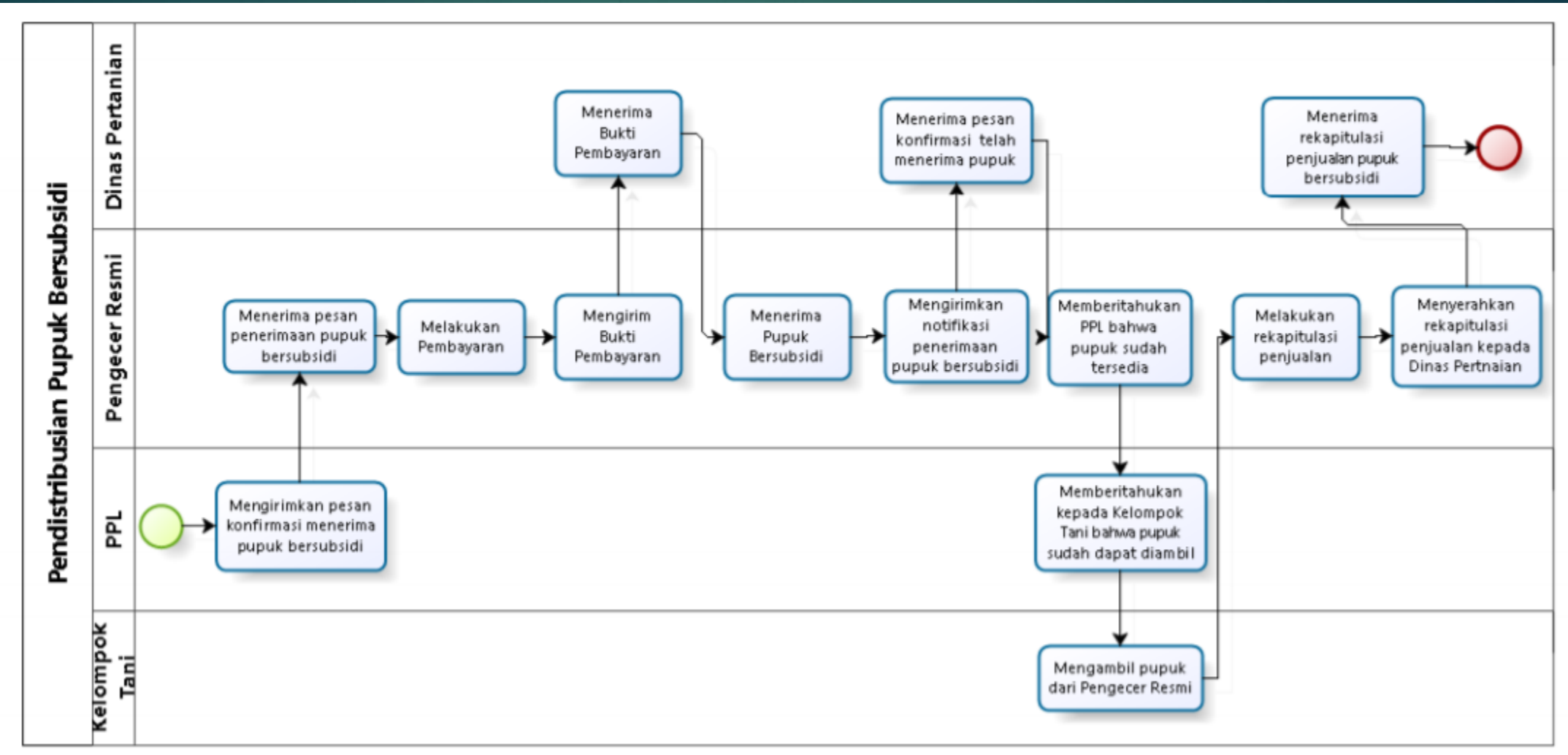
PPL Data Management Business Process



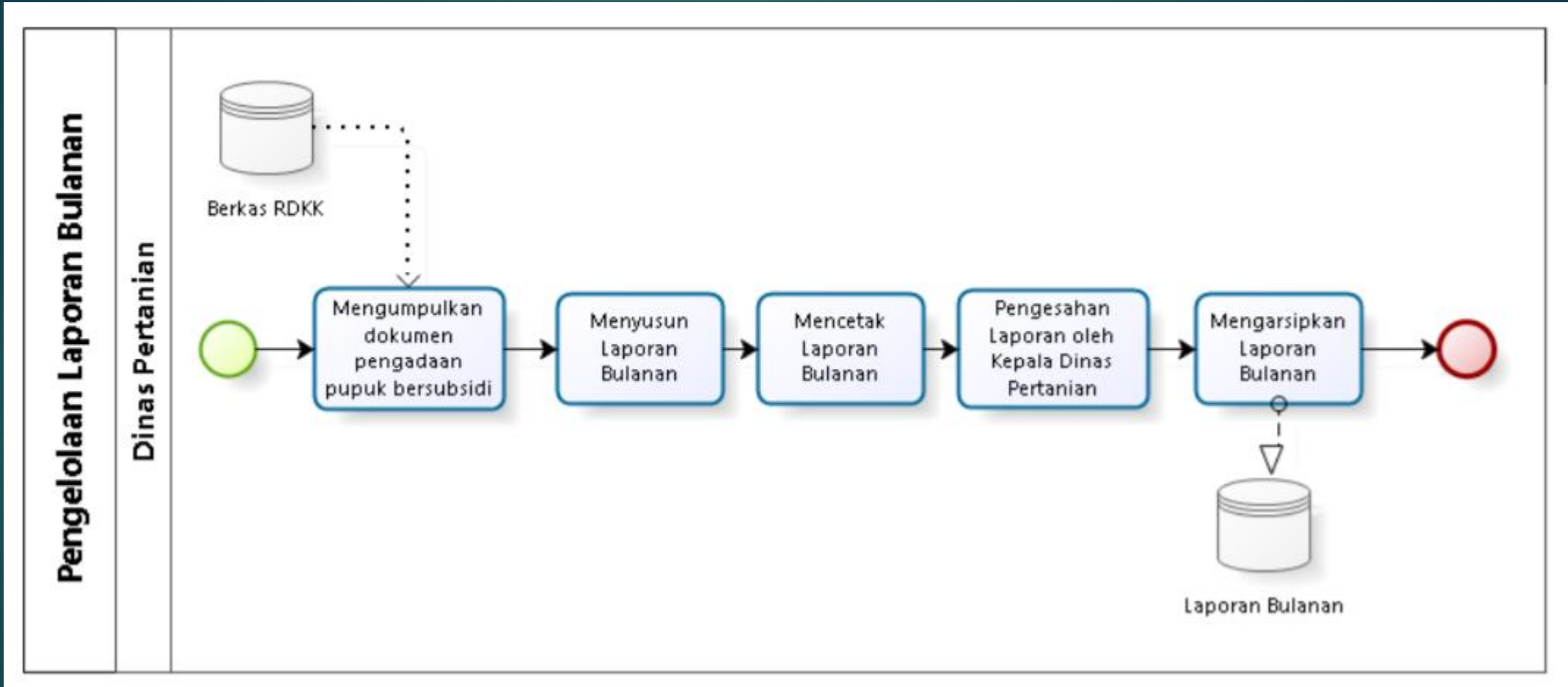
Management of RDKK Submission Business Process



Distribution of Subsidized Fertilizers Business Process



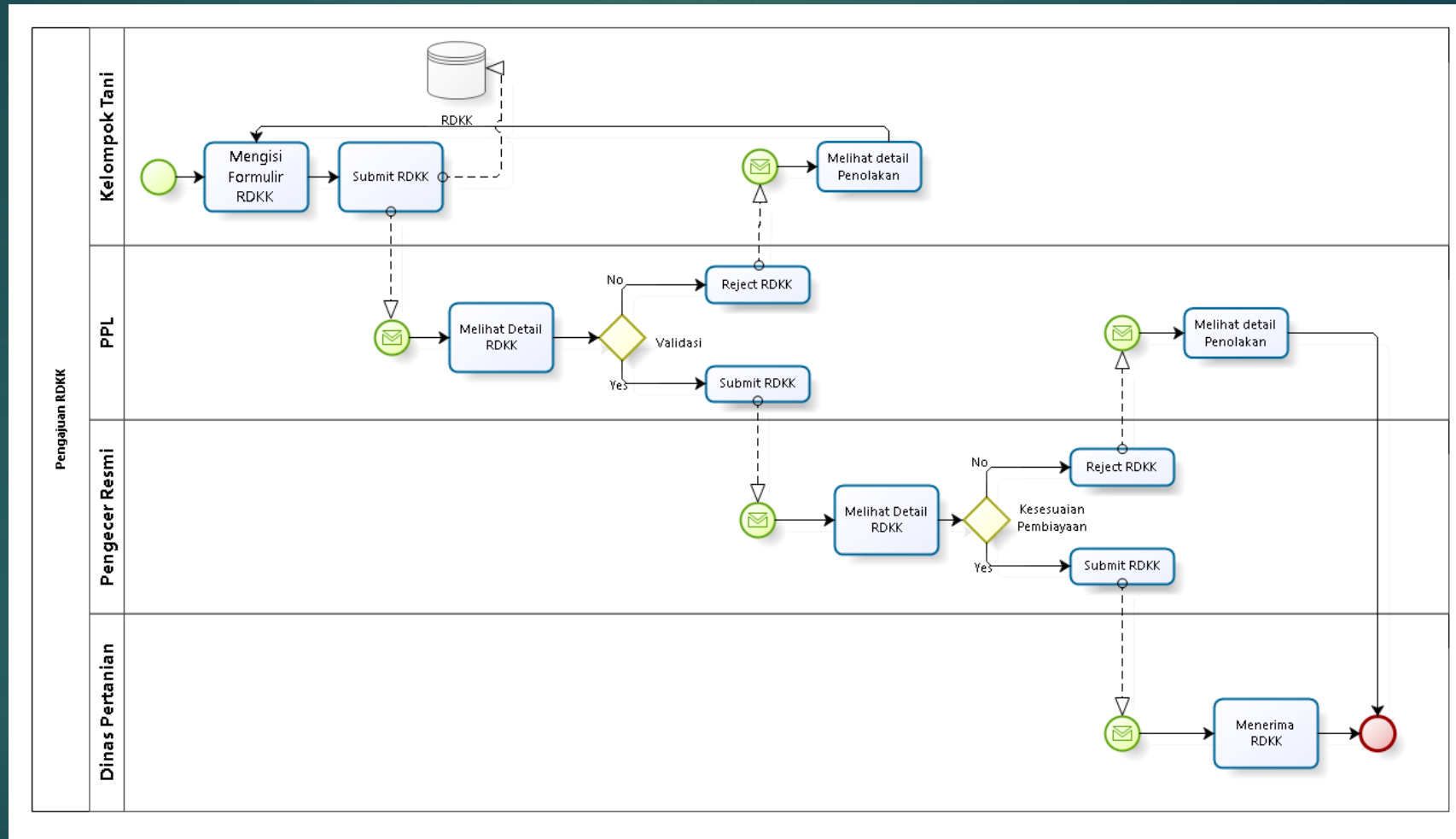
Monthly report Business Process



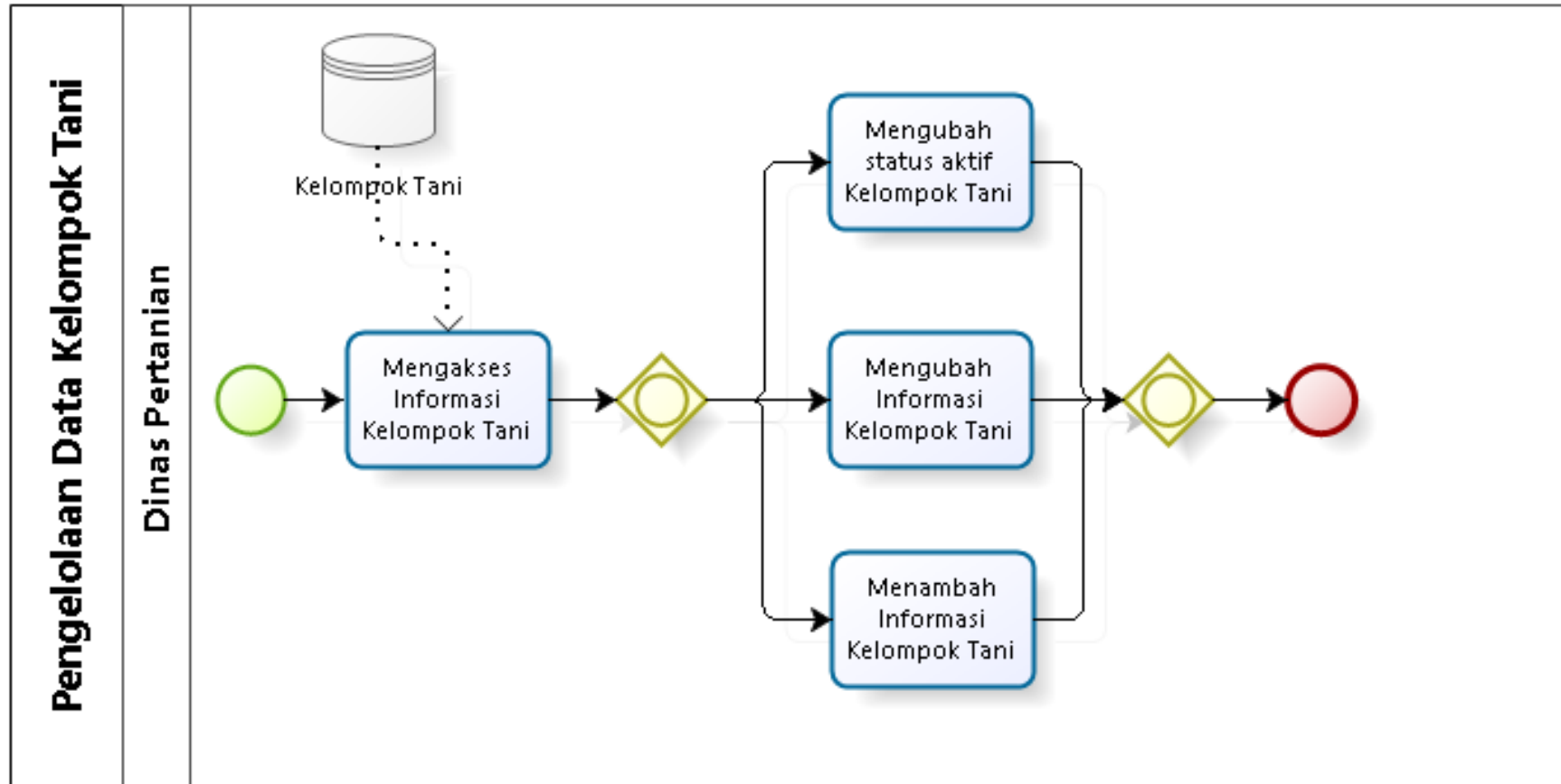
Target System

- ▶ Proses Bisnis Pengajuan RDKK
- ▶ Proses Bisnis Pengelolaan Data Kelompok Tani
- ▶ Proses Bisnis Pengelolaan Data PPL
- ▶ Proses Bisnis Pengelolaan Pengajuan RDKK
- ▶ Proses Bisnis Pengelolaan Pendistribusian Pupuk Bersubsidi
- ▶ Proses Bisnis Pengelolaan Laporan Bulanan

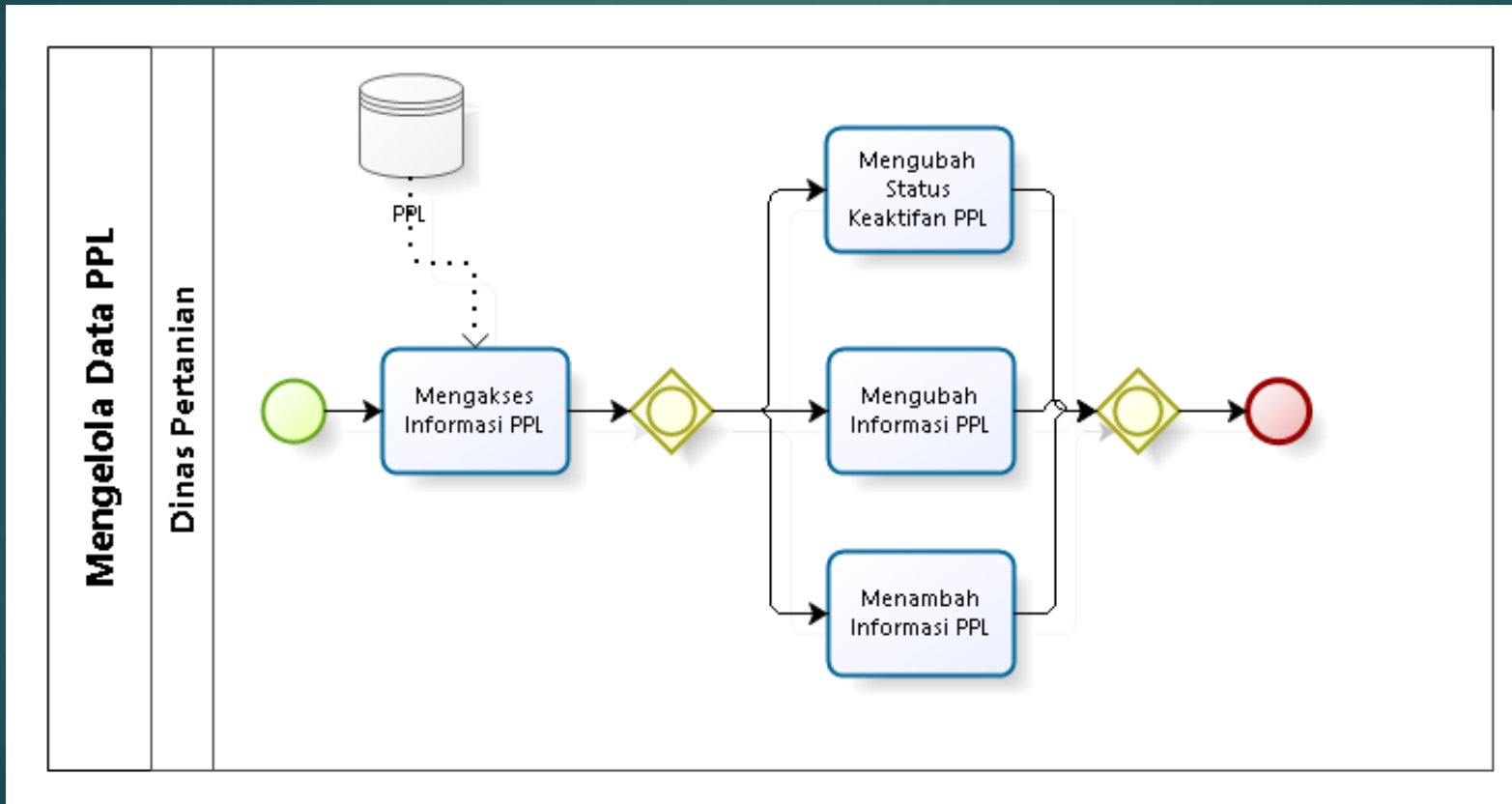
Proses Bisnis Pengajuan RDKK



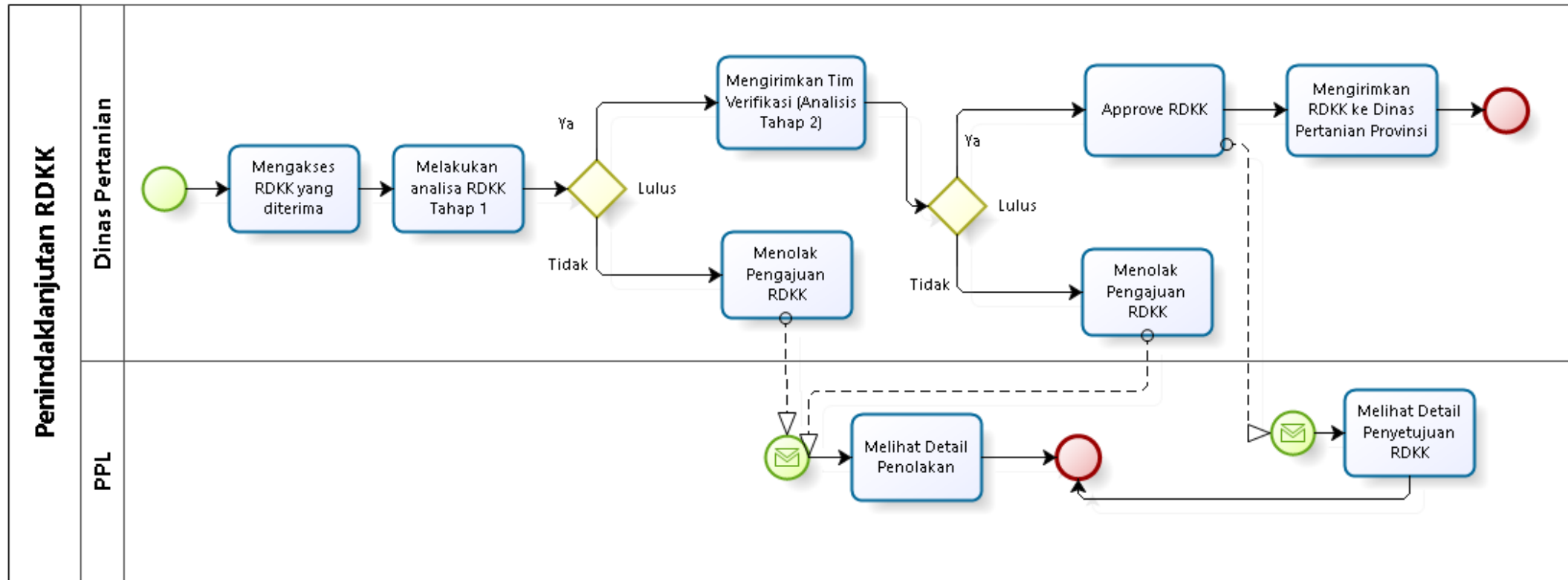
Proses Bisnis Pengelolaan Data Kelompok Tani



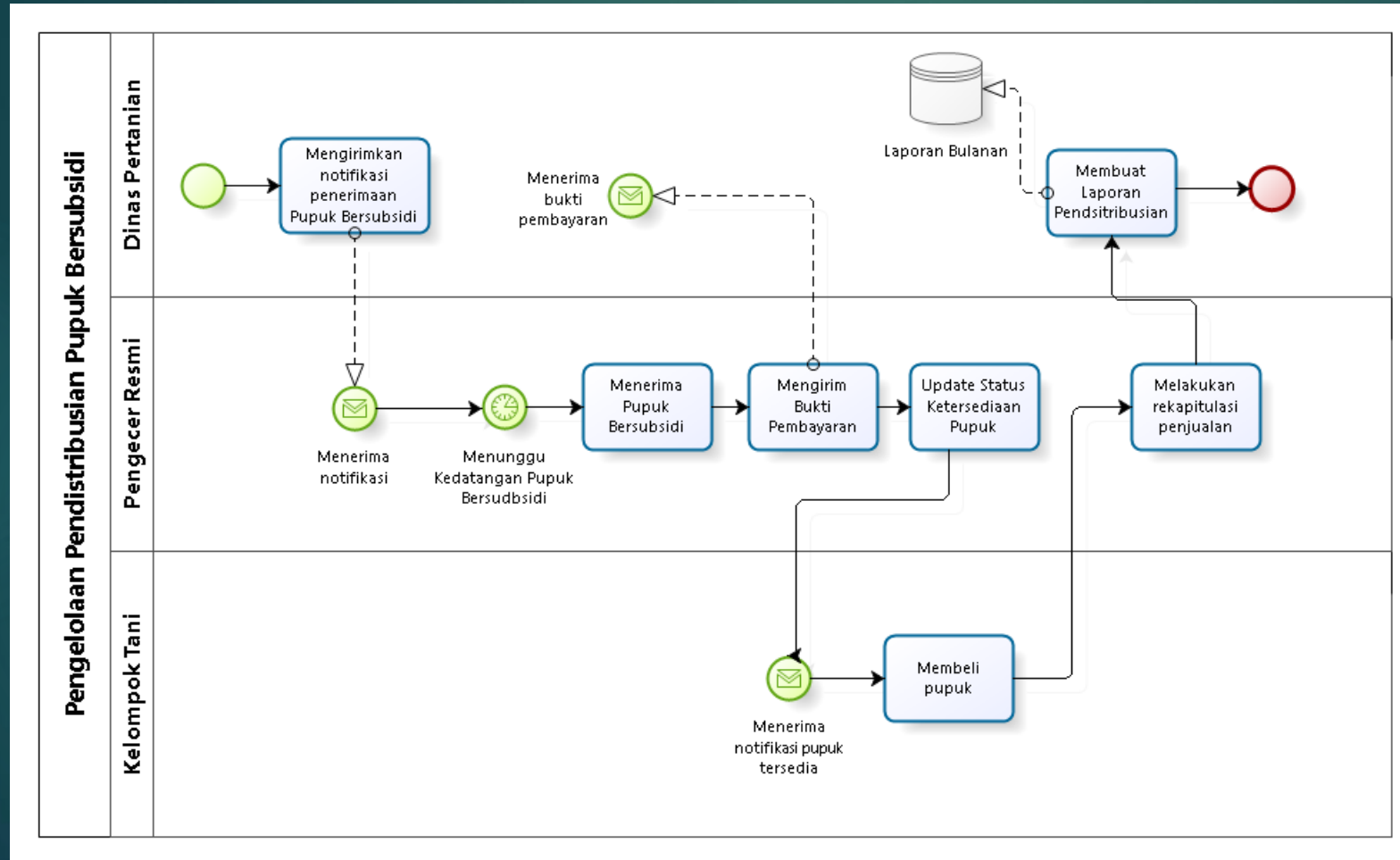
Proses Bisnis Pengelolaan Data PPL



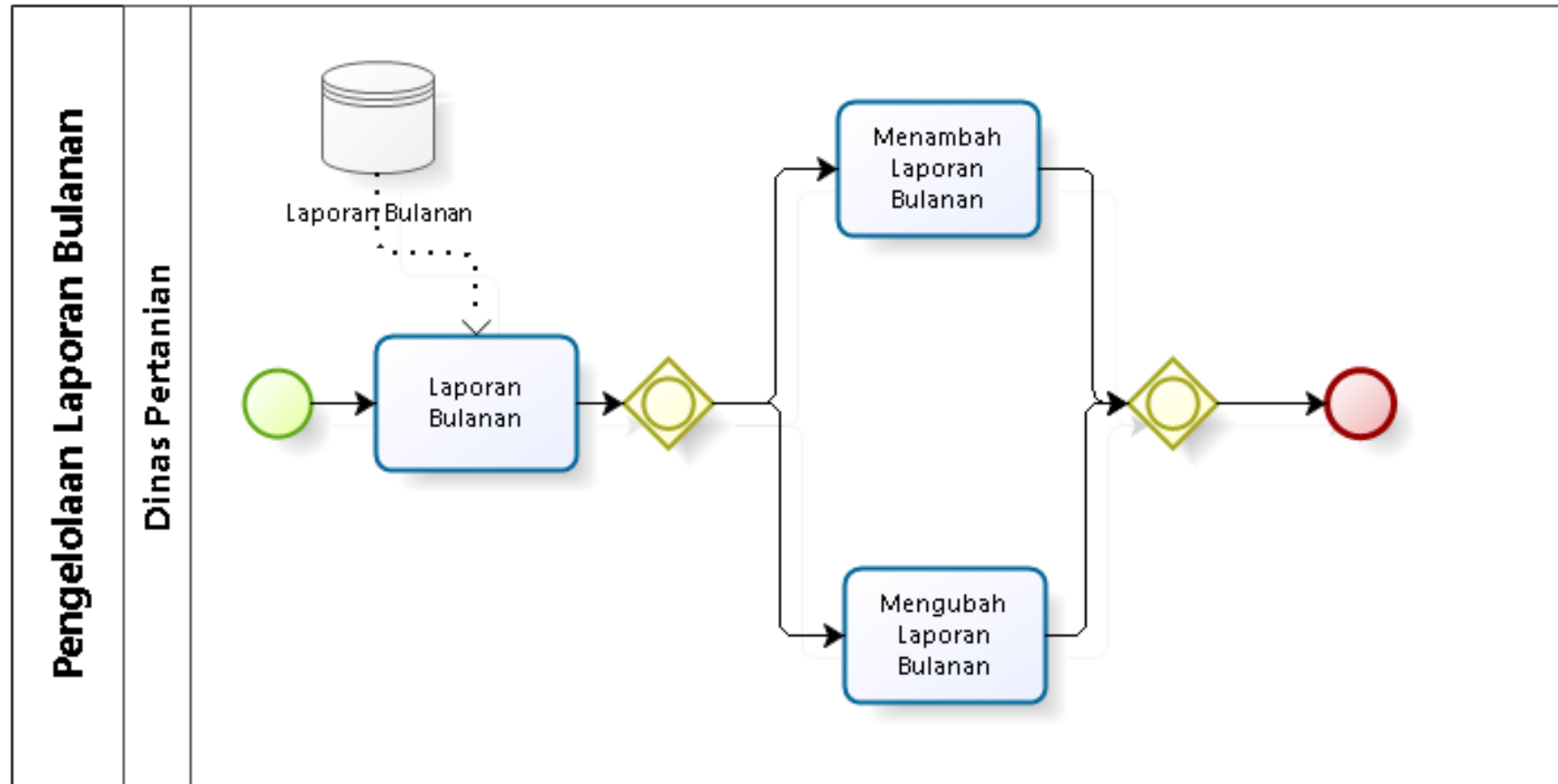
Proses Bisnis Pengelolaan Pengajuan RDKK



Proses Bisnis Pengelolaan Pendistribusian Pupuk Bersubsidi



Proses Bisnis Pengelolaan Laporan Bulanan



Main Function

1. Submission of RDKK/Pengajuan RDKK

Use Case	Explanation
Submission of RDKK(Pengajuan RDKK)	To be able to submit RDKK online without the need to make physical documents so that the submission process can be faster

2. Submission of RDKK/Pengajuan RDKK

Use Case	Explanation
Submission of RDKK(Pengajuan RDKK)	To be able to submit RDKK online without the need to make physical documents so that the submission process can be faster

3. PPL Data Management/Pengelolaan data PPL

Use Case	Explanation
Managing PPL Data(Mengelola data PPL)	Features provided for the management of field agricultural extension data (PPL) quickly and efficiently

4. Management of RDKK Submission Data/Pengelolaan Data Pengajuan RDKK

Use Case	Explanation
Managing RDKK filing data (Mengelola data pengajuan RDKK)	Feature that gives full access to manage every RDKK proposed by all farmer groups

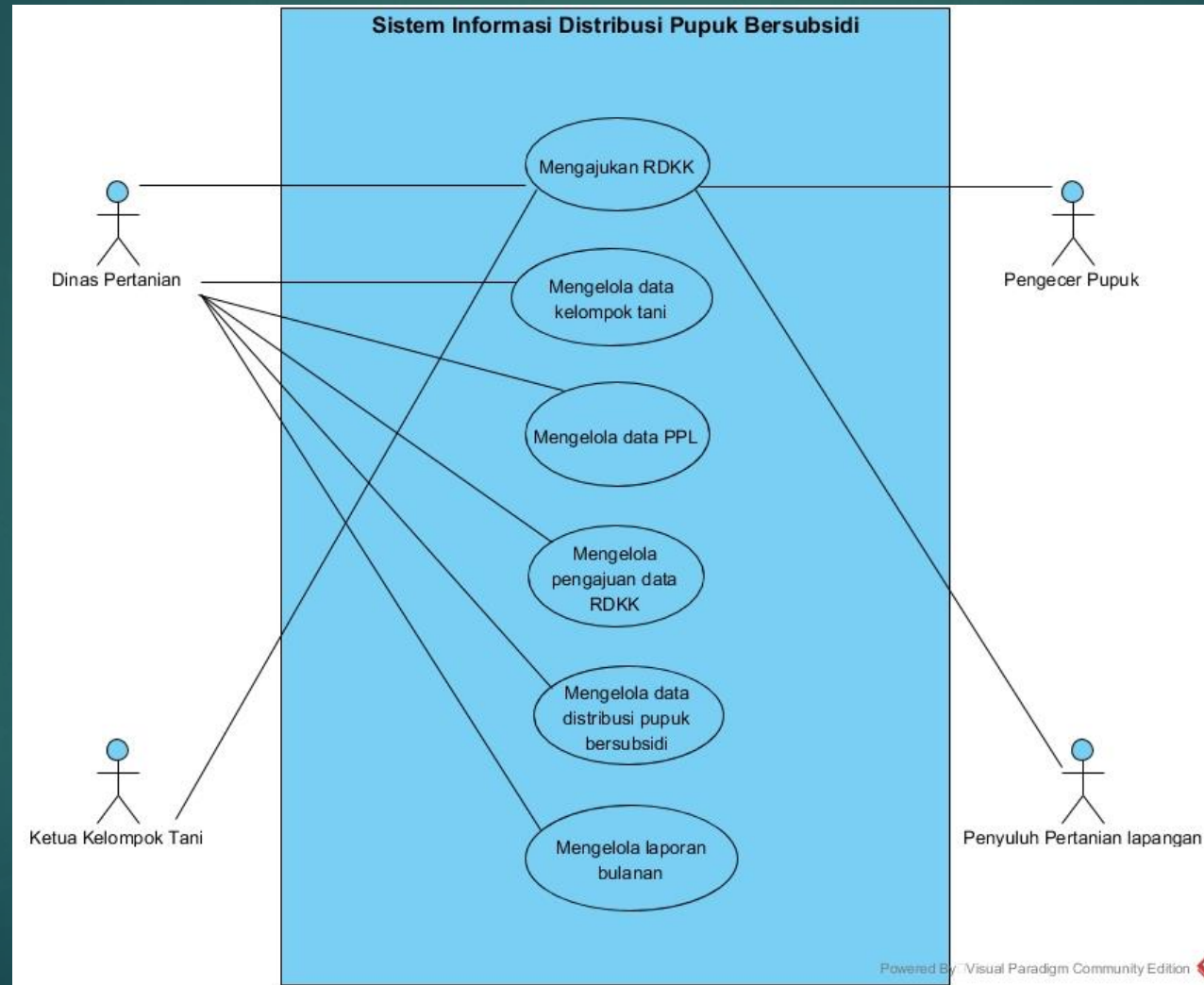
5. Fertilizer distribution data processing/Pengolahan data distribusi pupuk

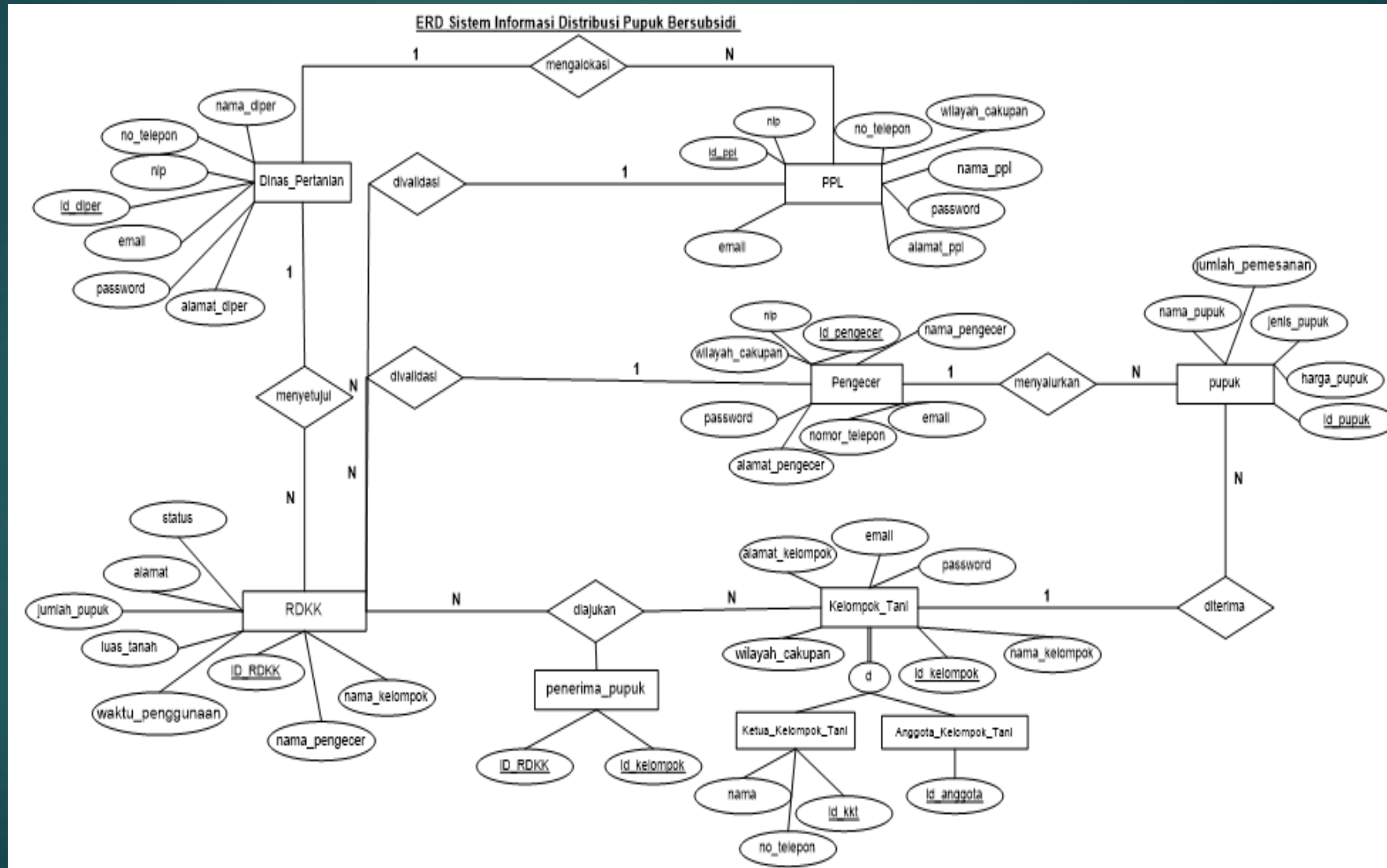
Use Case	Explanation
Processing fertilizer distribution data(Mengolah data distribusi pupuk)	Functions intended to monitor everything overall fertilizer distribution activities

6. Management of monthly reports/Pengelolaan laporan bulanan

Use Case	Explanation
Manage monthly reports (Mengelola laporan bulanan)	Features provided for the Agriculture Service for make a report.

Use Case





Link Video Presentasi

- ▶ <https://youtu.be/vJzYf3Zsaow>

Link Video Demo Aplikasi

- ▶ <https://youtu.be/OzoTUw6aDHs>

Thankyou