



## **Job Scope: Aerial Mapping and Analysis Services for Durian Farm**

We are pleased to propose our aerial mapping and analysis services tailored to meet the needs of your durian farm. Below is a detailed scope of services, including descriptions, deliverables, and pricing based on the size and requirements of your farm.

### **1. Aerial Mapping**

We will conduct high-resolution aerial mapping to create an accurate, up-to-date map of your durian farm, including farm boundaries. This map provides a detailed reference for farm management.

Deliverables:

High-resolution digital map in PDF and/or compatible GIS formats. Clearly defined farm boundaries, more precise than satellite imagery.

Pricing:

RM 18 per acre for farms up to 500 acres. RM15 per acre for farms up to 1,000 acres. For farms exceeding 1,000 acres, customized pricing will be provided based on project complexity.

### **2. Tree Count and Yield Estimation**

We will perform an aerial survey to count all fruit trees on your farm, assigning unique IDs to each tree for monitoring purposes. Additionally, we will provide a yield estimation based on the average tree age and assuming trees are in good health (client to provide tree age data).

Deliverables:

Detailed report with total tree count and individual tree IDs. Yield estimation report (if tree age data is provided).

Pricing: RM 10 per acre.



### **3. Topography Mapping**

We will generate a topographic map of your farm to support planning and management. The map will include elevation data at 5-10m increments, as per your requirements

Deliverables:

Topographic map in AutoCAD and contour map formats.

Elevation data at specified increments (5m or 10m).

Pricing: RM 5 per acre.

### **4. 3D Model**

We will create a 3D model of your farm to visualize terrain features, including slope angles, road erosion, and potential areas for road planning, building placement, and waterway management. This model aids in strategic farm planning and maintenance.

Deliverables: Interactive 3D model in a compatible digital format.

Report highlighting key features (e.g., erosion-prone areas, slope angles).

Pricing: RM 5 per acre.

### **Repetitive Monitoring**

We offer recurring aerial surveys to monitor changes in your farm over time. This service can include updates to tree-counts, boundary security checks, erosion monitoring, road maintenance assessments, weed monitoring, and planning for pesticide/herbicide applications.

Deliverables:

Periodic reports tailored to your monitoring needs (e.g., updated maps, tree counts, or erosion assessments).

Pricing: Customized pricing based on project size, complexity, and frequency of monitoring. A detailed quote will be provided upon discussion of your requirements.



## Notes

**Project Size:** Please provide the approximate size of your farm (in acres) as well as location to facilitate accurate pricing.

**Data Requirements:** Latest survey boundary of land. For yield estimation, please provide average tree age data.

**Flight Mission Timeframe:** Our team can complete a pre-planned mapping mission on site at a rate of 3-500 acres a day (Depending on terrain and elevation).

### **Turnaround Time:**

(<500ac) 5-7 working days after completion of flight mission

(>500ac) 7-10 working days after completion of flight mission

### **Legal Disclaimer:**

“Maps and models provided are for reference only and are not legally binding survey.”

We look forward to discussing your specific needs and tailoring our services to support the efficient management of your durian farm.