

PAPER FOR APPROVAL
MPC BOARD OF MANAGEMENT (BOM)

TITLE	Precision Farming for Poultry Industry
DATE / DURATION	January - June 2024 (6 Months)
PROBLEM STATEMENT (5W1H)	<p>The poultry industry in Malaysia faces a significant challenge in adoption of precision farming practices. Based on the Mid Term Review 12MP, lack of technology adoption contributes to high post-harvest losses. Despite the potential benefits of precision farming, including enhanced resource efficiency, improved production outcomes, and reduced environmental impact, the industry lags in the adoption of these advanced technologies. The slow uptake may be attributed to factors such as a lack of awareness, limited technical expertise, high initial implementation costs, and concerns regarding the adaptability of precision farming methods to the unique conditions of the Malaysian poultry sector. Addressing these barriers is crucial for fostering the sustainable growth of the poultry industry in Malaysia and ensuring its competitiveness in the global market.</p> <p>5 Poultry farms located around Johor, Melaka and Negeri Sembilan will be selected as a pilot study to adopt the precision farming and will be monitored the impact within 3 months.</p>
OBJECTIVE	<ul style="list-style-type: none"> • To Increase the number of farmers adopting smart and modern farming • To reduce post-harvest losses • To facilitate knowledge sharing and peer-to-peer learning among farmers
SCOPE (Scope of Budget)	Focusing on medium-sized poultry farms (10,000 – 50,000 bird per farm) which falls under Section A: Agriculture, Forestry and Fishing; Item: 01461 – Raising, breeding and production of chicken, broiler.
METHODOLOGY	Adopting modern management through technology. Myreskill/step-up approach will be applied.

TIMELINE / DETAILS PROJECT PLAN	Duration	Activity
	Jan - Feb 2024	<ul style="list-style-type: none"> • Stakeholder analysis Identifying potential pilot farms
	Mar 2024	<ul style="list-style-type: none"> • 5 on-site assessment
	Mar – May 2024	<ul style="list-style-type: none"> • 5 Intervention
	Jun 2024	<ul style="list-style-type: none"> • 5 POC's report Implementation
BUDGET	Utilising RM21,600.00 using the MPB-AFPN budget and RM3,200.00 using the PCD management (operational) budget.	
OUTPUT / KPI	<ul style="list-style-type: none"> • 5 POCs report. • Increasing the numbers of poultry farms adopting precision farming • Reduce time of farm management operations • Increase broiler production index 	
OUTCOME	<ul style="list-style-type: none"> • Increased productivity and efficiency will contribute to the economic growth of the agriculture sector. • Farmers will benefit from increased income and improved quality of life through better farming practices. 	
STAKEHOLDERS	Ministry of Agriculture & Food Security, Department of Veterinary Services, Poultry farmers, Technology provider.	
RECOMMENDATION	The approval of BOM is sought to approve the budget of RM21,600.00 using the MPB-AFPN budget and RM3,200.00 using the PCD management (operational) budget to conduct program on Precision Farming for Poultry Industry.	
UNIT / DIVISION	AFPN, Section Technology	

**Please attach other relevant information if necessary.

(Examples: Program agenda, cost details, risk plan, diagrams, plan sketches, name lists, Gantt charts, etc.)

Only for applications that use Development Budget from other Units/Divisions.
This column can be ignored if it is not relevant.

SUPPORTED BY:

NAME OF OFFICER IN CHARGE OF THE DEVELOPMENT BUDGET

Position:

Budget Name:

Date:

PREPARED BY:

CHECKED BY:

APPROVED BY:

Name:

Position:

Date:

Name:

Position:

Date:

Name:

Position:

Date:

APPENDIX 1

BUDGET / ESTIMATED COST

No.	Item	Cost / Unit	Pax	Quantity	Total (RM)
A. DEVELOPMENT BUDGET					
1. Stakeholder Analysis					
i.	Facilitator	RM1800	1	1 session	1,800.00
ii.	Subject Matter Experts	RM400	2	4 hours x 1 session	3,200.00
iii.	Meeting Package (Full-day seminar)	RM180	20	1 session	3,600.00
Total A					8,600.00
2. On-site assessment					
i.	Subject Matter Expert	RM400	1	2 hours x 5 session	4,000.00
Total B					4,000.00
3. Intervention					
i.	Subject Matter Expert	RM400	1	2 hours x 5 sessions	4,000.00
Total C					4,000.00
4. Proof-of-Concepts report					
i.	Report writing	RM200	5	5 reports	5,000.00
Total D					5,000.00
B. OPERATIONAL BUDGET					
i.	Accommodation - MPC Staff	RM250	4	2 session	2,000.00
ii.	Travelling - MPC Staff	RM150	4	2 session	1,200.00
Total E					3,200.00
Grand Total (A + B + C + D + E)					24,800.00