



PROJECT ANNUAL REPORT

1st January 2023 to 31th December 2023

<Project Profile>

Project Code	AFoCO/023/2021
Project Title	Innovative Solutions for Climate Change and Biodiversity Landscape Strategy to Support SDGs in Indonesia
Project Duration	Start date: 1 July 2021 End date: 31 December 2024
Implementing Agency	Center for Standardization of Sustainable Forest Management Instruments, Agency for Standardization of Environment and Forestry Instruments <i>(Prior to internal organizational restructuring: Forest Research and Development Center (FRDC), Ministry of Environmental and Forestry)</i>
Participating Country(ies)	Indonesia
Project Site	<ol style="list-style-type: none"> 1. Tropical peatlands forest of Forest Area with Specific Purpose of Kepau Jaya and Forest Management Unit of Minas Tahura in Siak District, Riau Province; 2. Mangrove ecosystem in Ampang Plampang Forest Management Unit, Sumbawa District, West Nusa Tenggara Province; 3. Karst and lowland ecosystem of Forest Management Unit of Bulusaraung, in Maros district, South Sulawesi province
Target Area¹	Primary target area: Priority Area 2 – Supporting research and development in climate change approaches Secondary target area: Priority Area 1 – Initiating customized restoration and reforestation models
Budget and Source of Finance	Total: US\$ 800,000 - AFoCO: US\$ 700,000 - National: US\$ 100,000 - Others: US\$ 0
Annual Budget and Source of Finance	Total: US\$ - AFoCO: US\$ 206039,77 - National budget: US\$ 31360 - Others: US\$ _____ (to be specified)

¹ Refer to the list of target areas which is in accordance with the objectives and prevailing strategic plan of AFoCO (provided by the Secretariat).

<Implementing Agency Profile>

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	Mr. Muhammad Hilman Aulia	Administrative Officer

Notes to the Authors & Readers

The project mid-year report should present information that is managerial in nature, such as the description of activities started or completed during the period covered, the percentage of work undertaken, and the costs incurred.

The report is expected to provide simple and concise information on project progress in accordance with the formats provided below. If deemed necessary, the Appendices may include further elaborations on parts of the report.

Use of gender-fair language in the preparation of the report is highly recommended. The list of recommended gender-fair language is attached hereto for reference.

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1. Project Overview

The project aims to introduce innovative solutions on sustainable management practices and enhance the capacities of Forest Management Units (FMUs) and local communities on contributing to Indonesia's emissions reduction targets and improve biodiversity landscapes to support the achievement of the Sustainable Development Goals (SDGs), in particular SDGs 1, 8, 13 and 15.

Objectives:

- a) To establish baseline information by mapping the existing biophysical (spatial-temporal), socio-economic condition (before and after the project), and potency of natural resources in the three study sites in the beginning of the project;
- b) To facilitate the preparation of business plans of the Forest Management Units (FMUs) at three study sites;
- c) To develop demonstration plots of at least 10 ha in each study site for carbon stock enhancement in FMUs or Forest Area with Specific Purpose (KHDTK) areas;
- d) To transfer techniques and raise awareness of project model establishment to relevant stakeholders through the synthesis of knowledge and experiences, recommendations on policy practices, and dissemination of project outputs.

Expected Outputs:

- Map of existing biophysical condition and baseline data of biophysical condition of three study sites (Riau, West Nusa Tenggara, and South Sulawesi) produced through GIS mapping and analysis by the first semester of Year 2.
- Current status and baseline data of socio-economics condition of three study sites (Riau, West Nusa Tenggara, South Sulawesi) made available by the first semester of Year 2.
- Commodities that have good market opportunities identified in three study sites by semester1 Y2.
- Strengthened capacity of FMUs and community in business plan development at three study sites.
- Developed Business Plans of the FMUs in three study sites.
- Three sites for demonstration plot establishment appropriately located and technically designed.
- Demonstration plots in 3 types of areas established in three sites at least 10 ha each site.
- Demonstration plot at each project site is well maintained and monitored at the interval of 6 months after planting.
- Technique and awareness of the project model transferred to project stakeholders through workshops, policy briefs, and publications.

2. Implementation Progress & Review of Performance 2023

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
Objective 2. To facilitate business plans of the FMUs at three study sites						
Output 4 : Strengthened capacity of FMUs and community in business plans development at three project sites						
4.2	Conduct capacity building on accounting of carbon stocks and emissions reduction, for FMU officers in the three project sites	Q3 2022- carry over to Q1 and Q2 2023	<ul style="list-style-type: none"> One training at each project site on accounting of carbon stock and emission reduction 20 participants of forest managers will be involved 	<p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: Accounting Carbon Stock Based on Indonesian National Standard of 7724:2019 and Emission Reduction from Forestry Sector with 34 participants from from 14 forestry units and FMUs in Riau Provinces. <p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: Accounting Carbon Stock Based on Indonesian National Standard of 	100%; (100%)	<p>The overall activity 4.2 is completed in Q1 and Q2 2023 with detail as follows.</p> <p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> The Activity 4.2 Conduct capacity building on accounting of carbon stocks and emissions reduction for FMU officers at Riau was completed. The activity conducted on 14-16 February 2023 (Carbon Training) from 14 units FMUs in Riau Province cooperated with Riau Province Environment and Forestry Service and Bulusaraung FMU. We invited 2 experts from Institute for the Application of Environmental and Forestry Instrument Standards of Kuok and Forestry Training Institute of Pekanbaru as resource person for Carbon Stock Accounting Training. <p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> The Activity 4.2 Conduct capacity building on accounting of carbon stocks and emissions reduction for FMU officers at South Sulawesi was completed. The activity conducted on 4-7 October 2022 (Carbon Training) with participants from 18

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
				<p>7724:2019 and Emission Reduction from Forestry Sector with 32 participants from from 27 forestry units and FMUs in South Sulawesi Provinces.</p> <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> - 1 (one) training executed with topic: Accounting Carbon Stock Based on Indonesian National Standard of 7724:2019 and Emission Reduction from Forestry Sector with 32 participants from from 27 forestry units and FMUs in West Nusa Tenggara Provinces. 		<p>units FMUs in South Sulawesi Province cooperated with South Sulawesi Province Forestry Service and Bulusaraung FMU. We invited 2 experts from Institute for the Application of Environmental and Forestry Instrument Standards of Makassar and Forestry Training Institute of Makassar as resource person for Carbon Stock Accounting Training.</p> <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> • The Activity 4.2 Conduct capacity building on accounting of carbon stocks and emissions reduction for FMU officers at West Nusa Tenggara was completed. The activity conducted on 13 – 15 December 2022 with 21 participants (Carbon Training) from 15 units FMUs in West Nusa Tenggara Province cooperated with West Nusa Tenggara Province Environment and Forestry Service and Ampang Plampang FMU. We invited 3 experts from Institute for the Application of Environmental and Forestry Instrument Standards of Mataram as resource person for Carbon Stock Accounting Training.
4.3	Conduct Capacity building/training on initiating and	Q4 2022	<ul style="list-style-type: none"> • One training on initiating and promoting at three 	<p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> - 1 (one) training 	83,33%; (60,08%)	The workshop training activities 4.3 have been conducted in Q1 and Q2 2023 and the indicators of performance already achieved, but the follow up action

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
	promoting eco-tourism for FMU personnel at the three project sites		<p>project sites in Q3 of Y2.</p> <ul style="list-style-type: none"> 30 participants involved (communities & forest managers) in each project site 	<p>executed with topic: In-house Training Development of Business Plan of Honey Products for Honey Producer (forest honey as particular souvenir from Riau) with 26 participants from 11 Forest Farmer Groups assisted by 6 FMUs in Riau Province.</p> <p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: In-house Training in Natural Ecotourism Management based on Indonesian National Standard 8013:2014 with 24 participants from 5 Tourism Awareness Groups in Bulusaraung FMU 		<p>such as the support for initial capital and other assistances have been started in Q3-Q4 2023 and still ongoing (not yet finish). The detail as follows.</p> <p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> The Activity 4.3 Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at Riau was completed. The activity conducted on 14 February 2023 from 11 units Forest Farmer Groups assisted by 6 FMUs in Riau Province. We invited 1 expert from CV GMS/Moriyya Honey (Director/Owner) namely Mr. Sarwo Edi Musyafa as resource person for Development of Business Plan of Honey Product Training. Forest honey chosen because its potential as particular souvenir for Riau tourism. The follow up action is honey product standardization to be developed and recognized as the special souvenir from peatland in Riau. This remain activity will be carried out in Q1 2024. <p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> The Activity 4.3 Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at South Sulawesi was completed. The activity conducted on 13-14 March 2023 from 5 units Tourism Enthusias Groups in Bulusaraung FMU. We invited 5

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
				<p>South Sulawesi Province.</p> <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: In-house Training Birdwatching Ecotourism with 35 participants from 6 Forest Farmer Groups assisted by Ampang Plampang FMU West Nusa Tenggara Province. 		<p>experts as resource person, and the list are:</p> <ol style="list-style-type: none"> Mr. Hardiono, Tourism Manager of Enrekang Dante Pine Ecotourism Mr. Iqbal Abadi Rasyid, Bantimurung-Bulusaraung National Park Dr. Asrianny, Lecturer/ecotourism expert from Hasanuddin University Makassar Dr. Abd. Kadir W., IAEFSI Makassar Mrs. Siti Maryam, MoEF Training Center <ul style="list-style-type: none"> The follow up action is support on developing masterplan for mapping the attractions and ecotourism management design for Pine Forest of Tala-Tala in FMUs Bulusaraung. This activity will be carried out in Q1 2024. <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> The Activity 4.3 Conduct Capacity building/training on initiating and promoting ecotourism for FMU personnel at West Nusa Tenggara was completed. The activity conducted on 21-22 June 2023 from 6 units Forest Farmer Groups assisted by Ampang Plampang FMU West Nusa Tenggara Province. We invited 1 expert from Burungnesia ID Bird Conservation namely Mr. Swiss Winasis as resource person for Birdwatching Ecotourism Training. The follow up actions is writing a book guideline on birdwatching tourism in Ampang Plampang

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
						FMU. This activity was started in Q4 2023 and will be finished in Q1 2024.
4.4	Conduct Capacity building on startup business (including upgrade products or services through value addition) and online business for FMU personnel at the three project sites	Q4 2022	<ul style="list-style-type: none"> One training on initiating and promoting at three project sites in Q4 of Y2. -25 participants involved in each project site 	<p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: In-house Training Development of Digital Marketing of Honey Products with 26 participants from 11 Forest Farmer Groups assisted by 6 FMUs in Riau Province. <p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: In-house Training on Preparation of Business Plan and Digital Marketing of Palm Sugar Products for with 37 participants from 3 Palm Sugar Producer Group 	100%; (100%)	<p>The workshop and training activities have been conducted in Q1 and Q2 2023, as well as the follow up action such as the support for initial capital and permit and packaging assistance already completed in Q3-Q4 2023. The detail as follows.</p> <p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> The Activity 4.4 Conduct Capacity building on startup business (including upgrade products or services through value addition) and online business for FMU personnel at Riau was completed. The activity conducted on 15 February 2023 from 11 units Forest Farmer Groups assisted by 6 FMUs in Riau Province. We invited 1 expert from Honey House Jambi (CEO) namely Mr. Cecep Perdianto as resource person for Development and Digital Marketing of Honey Product Training. The follow up actions are the initial capital support entitled "Discussion on the Development of Honey and NTFPs in Minas Tahura FMU, Riau Province". This discussion have been conducted on December 21, 2023. The initial capitals have been given to the forest farmer group of Karya Mandiri Madu namely packaging machine. In addition based on the discussion between FMUs

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			Baseline	Achieved		
				<p>assisted by Bulusaraung FMU South Sulawesi Province.</p> <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> 1 (one) training executed with topic: In-house Training Management and Processing of Mangrove Products with 35 participants from 6 Forest Farmer Groups assisted by Ampang Plampang FMU West Nusa Tenggara Province. 		<p>and Project Management, there is another forest farmer group of coffee in peatland which are need to be supported. They are active and potential, but still using traditional way in producing coffee with woodfire stove and traditional pounder. Therefore we also provide roasting and grinding machines for the group to support the development of honey and coffee products.</p> <ul style="list-style-type: none"> The activity was completed. <p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> The Activity 4.4 Conduct Capacity building on startup business (including upgrade products or services through value addition) and online business for FMU personnel at South Sulawesi was completed. The activity conducted on 14-15 March 2023 from 3 units Palm Sugar Producer Group assisted by Bulusaraung FMU. We invited 3 experts as resource person, and the list are: <ul style="list-style-type: none"> i. Dr. Djoko Widardjo, Chairperson of the Indonesian Sugar Palm Association ii. Mr. Muhammad Jufrizal, Director of Institute for the Study of the Consolidation of Community Economic Implementation and Empowerment iii. Mr. Hasrul, CEO of Arentim Kolaka The follow up actions are purchasing initial capital support (drying oven with high capacity and hygienic standard and sealer machine) training

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
						<p>on packaging and trading permit and 1.000 seedlings of palm tree. This follow up actions entitled "Technical Guidance for the Development of Non-Timber Forest Products" with a special topic on palm sugar production. This activity have been conducted on November 30, 2023.</p> <ul style="list-style-type: none"> The activity is completed. <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> The Activity 4.4 Conduct Capacity building on startup business (including upgrade products or services through value addition) and online business for FMU personnel at West Nusa Tenggara was completed. The activity conducted on 21-22 June 2023 from 6 units Forest Farmer Groups assisted by Ampang Plampang FMU West Nusa Tenggara Province. We invited 2 experts from Institute for Climate Change and Forest and Land Fire Control Region of Java, Bali, and Nusa Tenggara namely Ms. Luh Sutarmi and Ms. Atik Murwatiningrum as resource person for Management and Processing of Mangrove Products Training. The follow up actions are the initial capital support for equipment for mangrove processing needed as well as institutional arrangement and marketing assistance. This follow up actions entitled "Technical Course for the Food Safety and Production Development Non-Timber Forest

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
						<p>Products (Gadung [a local root crop] and coconut sugar) and Silvofishery (Mud Crab)". This activity have been conducted on November 28-30, 2023. We have also purchased grants in the form of cashew peeler tool to support the development of cashew crop production.</p> <ul style="list-style-type: none"> The activity is completed.
Output 5. Developed Business Plans of the FMUs in three study sites						
5.1	Workshop on developing the Long-term Forest Management Plan of FMUs (RPHJP KPH) 2025-2045 base on Mitigation and Adaptation to Climate Change for each FMU.	Q3-Q4 2023	<ul style="list-style-type: none"> One workshop at each project sites in Q4 Y2 One viable business plan for each site developed within 6 months. 	<ul style="list-style-type: none"> The activity is designed as the series workshop start from Q4 2023 until Q1-Q2 2024. The first workshop was conducted in 10-11 October 2023 in BSD City, South Tangerang with 20 participants who attended offline in BSD City, and 80 online participants. Because the process of the RPHJP preparation can not be done in one time, the workshop will be conducted series until April 2024. Participants from each FMUs are already chosen as the main preparator who will be involved and responsible 	66,67%; 45,90%	<ol style="list-style-type: none"> The activity is designed as the series workshop start from Q4 2023 until Q1-Q2 2024. The inception workshop entitled "Workshop on Integration of Sustainable Forest Management based on Climate Change Adaptation and Mitigation at Long-term Forest Management Plan of FMUs (RPHJP KPH)". This was intended to develop the National Medium Term Development Plan of Forest Management Unit 2025-2045 base on Mitigation and Adaptation to Climate Change for each FMU. This activity was conducted in hybrid mode which is on site at Hotel Santika Premiere, BSD City, South Tangerang and online Zoom Meeting on October 10-11, 2023. We invited 6 resource persons from different institutions namely, Dr. Kim Donghwan (AFoCO Secretariat), Ms. Ella Novianty (Directorate of Climate Change Mitigation, MoEF), Mr. Roni Syaefullah Burhani (Directorate of Developing Forest Utilization Plans, MoEF), Dr. Nur Hygiawati Rahayu (Director of Forestry and Water Resources

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
				for the RPHJP preparation in the workshop until finish (the decision letter from Kapustarhut).		<p>Conservation, Ministry of National Development Planning/BAPPENAS), Dr. Siti Badriyah Rushayati (Faculty of Environment and Forestry, IPB University), Ms. Arum Kusumaningtyas (Gadjah Mada University). There were 20 participants who attended offline in BSD City, and 80 online participants.</p> <p>2. The next the follow up from inception workshop is the series workshop entitled “Mentoring in Preparing RPHJP KPH Based on Climate Adaptation for Sustainable Forest Management”. This activity was conducted on December 14, 2023 via Zoom Meeting, and was attended by 18 online participants consisting of FMUs Officials in 3 provinces (14 December 2023). Based on the results of discussions during this mentoring activity, we have formed a team through a Decree (SK) from the Head of CSSFMI consisting of FMUs staffs at the 3 project locations along with mentors (Mr. Gladi Hadiyanto and Mr. Hasantoha Adnan) to prepare Long-term Forest Management Plan documents for each FMU.</p> <p>3. The next session of workshop are January, February, March, and April 2024 (the final).</p>
Objective 3. To develop demonstration plots for carbon stock enhancement in FMUs or Forest Area with Specific Purpose (KHDTK) areas 10 ha each site in Q4 of Y1						
Output 7. Demonstration plots in 3 types area established in three sites at least 10 ha each site						
7.1	Establishing demonstration plots	Q3-Q4 2023 and	<ul style="list-style-type: none"> 2 additional Demonstration 	① Karst lowland site in South	80% (73,13%)	The initial target activity has been completed in 2022 with 3 demonstration plot already established (each 10

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
		Q1-Q2 2024	plots in mangrove and Karst ecosystem are established	<p>Sulawesi The survey for potential area conducted in Q3 2023 then resulted 3,5 ha of extended demonstration plot near the previous demplot. The preparation of planting area, fencing establishment and purchasing the tree seedlings in Bulusaraung FMU South Sulawesi Province are conducted in Q4 2023.</p> <p>② Mangrove site in West Nusa Tenggara The survey for potential area was conducted in Q3 2023 then resulted 3,2 ha of extended demonstration plot, it located in different area with the previous location. The preparation of planting area and purchasing the mangrove tree seedlings in Ampang Plampang FMU West Nusa Tenggara Province</p>		<p>ha).</p> <p>Based on our project plan for no-cost extension project time to December 2024 and discussion with AFoCO Secretariat at project monitoring on June 2023, we are allowed to expand our demonstration plot in two provinces namely West Nusa Tenggara and South Sulawesi site, each location can be expanded to an area of 3-5 ha.</p> <ul style="list-style-type: none"> For South Sulawesi site, we already conducted 2 activities, the first was field survey for additional expansion of the karst demonstration plot covering an area of 5 Ha on October 5-8, 2023. The second was Delineation and Fencing the location of demplot expansion (conducted on December 12-14, 2023) and seeds collection and delivery from the Makassar Forest Plant Seed Center to the AFoCO demonstration plot (conducted on December 19, 2023). The activity will be continued to Q1 and Q2 2024. For West Nusa Tenggara site, we already conducted 2 activities, the first was field survey for expansion of the mangrove demonstration plot covering an area of 5 Ha on October 3-6, 2023. The report received from NE explains that there were 3 potential locations for expansion of the demplot. After discussions, the chosen location was Teluk Santong which has easy access compared to

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
				are conducted in Q4 2023.		the other 2 locations (Labuhan Sangoro and Sepayung Village). The expansion area has been planted on December 12-16, 2023 in amount of 11.250 seedlings. The activity will be continued to Q1 and Q2 2024.
Output 8. Demonstration plot at each project site is well maintained and monitored at the interval of 6 months after planting						
8.1	Maintenance growth monitoring of the demonstration plots	Q1 and Q2 2023	Growth data set includes the survival rate, height, diameter (after seedling reaching > 1.3 m), health status at, 6 MAP, 12 MAP, 18 MAP, 24 MAP, and 30 MAP.	<p>① Tropical peatland site in Riau Province</p> <ul style="list-style-type: none"> The maintenance and growth monitoring started from January 2023 in total 10 ha (secondary forest 1st block 2 ha, secondary forest 2nd block 2 ha, palm oil block 3 ha, agroforestry block 3 ha) demplot in Riau with site counterpart a staff from Institute for the Application of Environmental and Forestry Standards Instrument (IAEFSI) of Kuok. 1 (one) dataset of growth monitoring and 2 progress reports (3 MAP and 6 MAP). 	60,00% (57,56%)	<p>The Activity 7.1 (Establishing demonstration plots) in Riau had been completed in December 2022 while the maintenance was began in January 2023. Growth monitoring of the demonstration plots is conducted every 3 months in 3 project sites.</p> <p>We also replanting the dyed trees in 3 ha area of peatland site. The survival rate on peatland are relatively low and due to the weather and human disruption. The remain area will be replanted in Q1 2024.</p>

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
				<p>② Karst lowland site in South Sulawesi</p> <ul style="list-style-type: none"> The maintenance and growth monitoring started from July 2022 in 10 ha of karst demplot in South Sulawesi with site counterpart a staff from FMU Bulusaraung. 1 (one) dataset of growth monitoring and 2 progress reports (3 MAP and 6 MAP). <p>③ Mangrove site in West Nusa Tenggara</p> <ul style="list-style-type: none"> The maintenance and growth monitoring started from July 2022 in 10 ha of mangrove demplot in West Nusa Tenggara with site counterpart a staff from FMU Ampang Plampang. 1 (one) dataset of growth monitoring (October 2022) and 2 progress reports (3MAP and 6 		

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
				MAP).		
Objective 4: To transfer techniques and awareness of project model establishment to relevant stakeholders through Synthesis, policy practice recommendations, and disseminations						
Output 9. Technique and awareness of project model transferred to project stakeholders through workshops, policy briefs, and publications						
9.1	Organize workshop for the midterm and end project results	Q2 2022 moved to Q4 2023	<ul style="list-style-type: none"> Two workshops for partners involved in the project. This meeting will be held Q4 of Y2 & Y3 One metadata from all activities per project site. 	<ul style="list-style-type: none"> Due to the tight schedule, the activity can only be implemented until the preparation stage by coordination with stakeholders. 	6,25%; 3,07%;	The midterm workshop will be held in Q1-Q2 2024.
9.2	Publication and dissemination (workshop, seminar, conference, publications)	Q2 2022	<ul style="list-style-type: none"> Publication and dissemination of project results 	<ul style="list-style-type: none"> This workshop entitled “Workshop on Formulation of Forest Management Standards and Publication of Results of AFoCO/023 Activities” is separated into several part. The main purposes of this workshop is to create specific standards document for forest management and activity result journal publication and attended by each 	58,33% (28,56%);	<ul style="list-style-type: none"> The first phase in this series of workshops was held on 11 May 2023. The activity is to arrange the contents and data of the activity reports of each expert, to write manuscript of journal publications and to have initial draft of forest management standard related to project dissemination. The second phase of workshop was held on 6 June 2023, the grouping of the team based on the topics/data discussed for further assistance to be corrected by the mentor. The third phase in thus series of workshops was held on July 5, 2023, to report the result of discussion by each research team group (there

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
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				<p>national expert & team.</p> <ul style="list-style-type: none"> the workshop has decided to drafting 5 title of articles for publication in international journal, namely 2 titles from Karst ecosystem, 2 titles from mangrove ecosystem, and 1 article from peatland ecosystem the group will be mentored by Dr. Hesti L Tata, Dr. I Wayan Susi D, Prof. Sri Suharti, and Dr. Henti Hendalastuti. 		<p>were 5 group) to the mentor. The workshop has decided to drafting 5 title of articles for publication in international journal, namely 2 titles from Karst ecosystem, 2 titles from mangrove ecosystem, and 1 article from peatland ecosystem.</p> <ul style="list-style-type: none"> The fourth phase was held on August 4, 2023. The aim of this phase was to finalized of 2 Publication Journal drafts. <ol style="list-style-type: none"> The first journal entitled “Unravelling land use land cover change, heir driving factors, and implication on carbon storage through an integrated modelling approach” has been submitted and reviewed in The Egyptian Journal of Remote Sensing and Space Sciences. Current status: Under reviewed by Editor. The second journal entitled “Forest cover change and its carbon dynamic of the karst area in Bulusaraung, South Sulawesi, Indonesia” has been submitted and reviewed in Forest Science and Technology Journal. Current status: Under reviewed by Editor. The remain 3 articles will be proceed in Q1 and Q2 2024.
9.3	Review, monitoring, evaluation: mid-term, annual	Q4 2021	<ul style="list-style-type: none"> Review, monitoring, evaluation: mid- 	To ensure project activities are going according to project plan and to overcome obstacles in	67,47% (58,43%);	During the 2023, there were 2 field visits 4 discussions on-site with local stakeholders and 1 PSC Meeting. The meeting lists as follows:

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
	review, and reporting substance and financial		term, annual review, and reporting substance and financial	the field, a number of meetings and coordination have been held, both in-field visits and online meetings.		<ul style="list-style-type: none"> • (12-13 June 2023) AFoCO Project team along with Representatives from AFoCO Secretariat team visited Tala-tala Village in Bulusaraung FMU for demplot monitoring and had a discussion with local stakeholder and palm sugar producer. • (14-15 June 2023) AFoCO Project team along with Representatives from AFoCO Secretariat team visited Kepau Jaya FWSP in Riau Province for demplot monitoring and had a discussion with local stakeholder and honey bee producer. • The 4th PSC Meeting which was held on December 19, 2023 via Zoom Meeting. This is our last PSC Meeting before the end of the project in December 31 2024. We already sent the Record of Discussion (ROD) document by email to the Secretariat for review and refine the content of ROD document
9.4	Management for support operation	Q4 2021	Office supplies, computers, AIO printer with scanner, subscribe to Wifi/internet connection, LCD projector, drone, camera, consumables, and domestic duty travel	Office supplies, web conference camera, zoom pro subscription, google one subscription (google drive quota), and consumables	91,67% (77,62%)	<p>In the 1st semester of 2023, we purchased web conference camera, subscribed zoom pro for host an online meeting, and subscribed google one to increase our google drive quota which will be used for document storage and data backup.</p> <p>In the 2nd semester of 2023, we purchased several office equipment namely:</p> <ul style="list-style-type: none"> • 1 laptop and 1 notebook for project secretariat in Bogor. • 3 PC/desktop and 3 printer for 3 FMUs office • 3 PC/desktop for 3 IEFSl's office in three sites

Activity No.	Activity	Timeline	Performance Indicators		Percentage Executed (Financial performance)	Progress Description
			Baseline	Achieved		
						for supporting office services.
9.5	Staff resources	Q4 2021	- Monthly salary receipts - Bills and receipts of all expenditures .	<ul style="list-style-type: none"> Monthly honorarium receipts Bills and receipts of all expenditures. 	83,33%; (70,48%)	Monthly honorarium for Project Coordinator, Program officer, administration staff, and finance staff were already paid for 12 months (January-December 2023). It is including honor for site counterparts in Riau, South Sulawesi, and West Nusa Tenggara from January to December 2023. This percentage is refer to total budget for 3 years project.

3. Issues, Concerns & Actions Taken

Description of Issues	Actions Taken and Lessons Learned																																
<p>Remain budget from completed activities (savings) for PIP matrix revision</p>	<p>Project activities finished in the 1st semester 2023 and from 2022 left many savings. The remaining budget occurred due to some field adjustment and efficiency. In addition, the exchange rate of US dollar to IDR is quite high, causing smaller budget in US dollar to conduct activities.</p> <p>Based on discussion with AFoCO Secretariat during project monitoring in 12-15 June 2023, the remain budget from completed activities can be proposed to be used to support other activities. The project also requested additional time due to some follow up actions and expansion of plantation area.</p> <p>The Secretariat has approved the request and revised budget by letter number PP1-ODA-489 dated 23 November 2023 which agree to have additional time until 31 December 2024 the project to complete its remaining activities and satisfy auditing requirements.</p>																																
<p>The planned activities which have not completed in 2023, will be conducted in Q1 & Q2 2024</p>	<p>Due to the tight schedule in 2023, some activities which are carried over to 2024</p> <p>The carried over activities and budget are follows:</p> <table border="1" data-bbox="363 1088 1439 1919"> <thead> <tr> <th data-bbox="363 1088 533 1122">Code</th> <th data-bbox="533 1088 1086 1122">Activity</th> <th data-bbox="1086 1088 1439 1122">Note</th> </tr> </thead> <tbody> <tr> <td data-bbox="363 1122 533 1245">A.4.3</td> <td data-bbox="533 1122 1086 1245">Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at the three project sites (initial capital support and assistance)</td> <td data-bbox="1086 1122 1439 1245">Continue and Carried over to Q1-Q2 2024</td> </tr> <tr> <td data-bbox="363 1245 533 1424">A.5.1</td> <td data-bbox="533 1245 1086 1424">Workshop on developing the Long-term Forest Management Plan of FMUs (RPHJP KPH) 2025-2045 base on Mitigation and Adaptation to Climate Change for each FMU.</td> <td data-bbox="1086 1245 1439 1424">Continue and Carried over to Q1-Q2 2024</td> </tr> <tr> <td data-bbox="363 1424 533 1491">A.7.1</td> <td data-bbox="533 1424 1086 1491">Establishing demonstration plots (extended plot)</td> <td data-bbox="1086 1424 1439 1491">Continue and Carried over to Q1-Q2 2024</td> </tr> <tr> <td data-bbox="363 1491 533 1559">A.8.1</td> <td data-bbox="533 1491 1086 1559">Maintenance growth monitoring of the demonstration plots</td> <td data-bbox="1086 1491 1439 1559">Carried over to 2024</td> </tr> <tr> <td data-bbox="363 1559 533 1626">A.9.1</td> <td data-bbox="533 1559 1086 1626">Organize workshop for the midterm and end project results</td> <td data-bbox="1086 1559 1439 1626">Carried over to Q1-Q2 2024</td> </tr> <tr> <td data-bbox="363 1626 533 1693">A.9.2</td> <td data-bbox="533 1626 1086 1693">Publication and dissemination (workshop, seminar, conference, publications)</td> <td data-bbox="1086 1626 1439 1693">Continue and carried over to Q1 2024</td> </tr> <tr> <td data-bbox="363 1693 533 1783">A.9.3</td> <td data-bbox="533 1693 1086 1783">Review, Monitoring, Evaluation: mid-term, annual review, and reporting substance and financial</td> <td data-bbox="1086 1693 1439 1783">Carried over to Q1-Q2 2024</td> </tr> <tr> <td data-bbox="363 1783 533 1850">A.9.4</td> <td data-bbox="533 1783 1086 1850">Management for support operation</td> <td data-bbox="1086 1783 1439 1850">Carried over to Q1-Q2 2024</td> </tr> <tr> <td data-bbox="363 1850 533 1919">A.9.5</td> <td data-bbox="533 1850 1086 1919">Staff Resources</td> <td data-bbox="1086 1850 1439 1919">Carried over to Q1-Q2 2024</td> </tr> </tbody> </table>			Code	Activity	Note	A.4.3	Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at the three project sites (initial capital support and assistance)	Continue and Carried over to Q1-Q2 2024	A.5.1	Workshop on developing the Long-term Forest Management Plan of FMUs (RPHJP KPH) 2025-2045 base on Mitigation and Adaptation to Climate Change for each FMU.	Continue and Carried over to Q1-Q2 2024	A.7.1	Establishing demonstration plots (extended plot)	Continue and Carried over to Q1-Q2 2024	A.8.1	Maintenance growth monitoring of the demonstration plots	Carried over to 2024	A.9.1	Organize workshop for the midterm and end project results	Carried over to Q1-Q2 2024	A.9.2	Publication and dissemination (workshop, seminar, conference, publications)	Continue and carried over to Q1 2024	A.9.3	Review, Monitoring, Evaluation: mid-term, annual review, and reporting substance and financial	Carried over to Q1-Q2 2024	A.9.4	Management for support operation	Carried over to Q1-Q2 2024	A.9.5	Staff Resources	Carried over to Q1-Q2 2024
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A.9.5	Staff Resources	Carried over to Q1-Q2 2024																															

Description of Issues	Actions Taken and Lessons Learned
<p>Maintenance growth monitoring of the demonstration plots and replanting the lost plants in Riau</p>	<p>Due to the activity 7.1 demonstration plots in Riau which finished in December 2022 and the maintenance just started in January 2023, therefore the monitoring and growth measurement for peatland plot can be carried out only in Q2 2023. And due to the long dry season in 2023, there will be replanting in 3 ha of area.</p> <p>The challenges are to replanting with the appropriate species, season, and treatment to avoid more loss. The highest loss in peatland plantation is due to its difficult condition and hard to find farmer/ workers, while the mangrove and karst plantation show good performance.</p> <p>Monitoring and growth measurement in karst and mangrove sites are conducted with proportional sampling of 10 ha, while in peatland site was done by 100% survey in 10 ha.</p> <p>The detailed data of survival rate enclosed in Appendix 1.</p>
<p>The follow up actions for capacity building in 4.3</p>	<p>The capacity building for ecotourism in activity 4.3 have been executed in form of trainings and workshop in Q2 2023. The follow up actions are still needed such as institutional assistance for the community/FMUs. The follow up activity in Ampang Plampang FMU was started in Q4 2023 on the development of guideline book of Birdwatching while follow up activity for other sites are development of ecotourism masterplan in Bulusaraung FMU and honey standardization for ecotourism souvenirs of Riau in Minas Tahura FMU which will be conducted in Q1 of 2024.</p>
<p>Shortfall of budget release of budget plan Q3Q4 2023</p>	<p>The total budget plan for 2023 revised to the PIP Matrix is USD 207,909.45. The remaining fund from the previous year was USD 182,012.77, so the budget requirement for Q3-Q4 2023 is USD 25,896.68. But the released budget for Q3-Q4 2023 is only USD 24,027. Therefore, there is a shortfall in amount of USD 1,869.68.</p> <p>USD 207,909.45 – 182,012.77 - 24.027 = 1,868.68</p>

4. Conclusions & Recommendations

- a. The completed activities successfully conducted in 2023, namely replanting and measurement in 3 sites, preparation for extended demonstration plot in 2 sites (West Nusa Tenggara and South Sulawesi), 3 capacity building activities including 12 trainings with 409 participant from FMUs officers and community, 2 series workshop activities namely for the Long Term Forest Management Plan writing workshop with 119 participants of FMUs officers and publication workshop with 47 participant from national experts, the followed up by initial capitals and assistance to increase the economic added value and standard of products for farmer groups in 3 provinces.

- b. The IA already received a letter on approval of a no-cost extension due to some saving and to optimize the output. The revised budget and proposed budget are enclosed in appendices 2 and excel file of PIP matrix revision 2023. The no-cost extension is proposed for 6 months up to December 31, 2024, which will be concerned in expansion of plantation in mangrove and karst forest site.
- c. The unfinished activities will be carried out in Q1-Q2 2024.

5. Photo Records



Activity 4.2 Capacity building on calculating carbon stock and reducing emissions for FMU officers in the Riau Province (Training for calculating carbon stocks according to Indonesian National Standard Number 7724:2019)



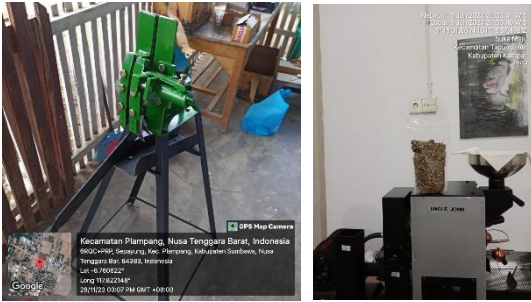
Activity 4.3 Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at the three project sites in West Nusa Tenggara Province (Birdwatching Ecotourism)



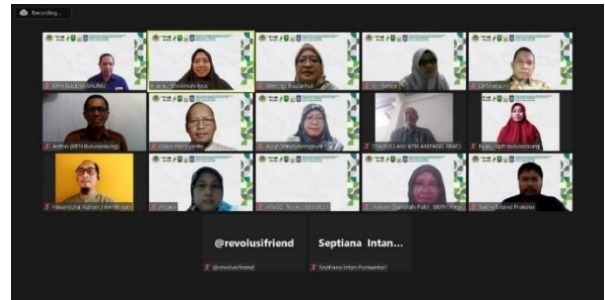
Activity 4.3 Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at the three project sites in West Nusa Tenggara Province (In-house Training in Natural Ecotourism Management based on Indonesian National Standard 8013:2014)



Activity 4.4 Conduct capacity building on startup business (including upgrade products or services through value addition) and online business for FMU (In-house Training on Preparation of Business Plan and Digital Marketing of Palm Sugar Products)



Activity 4.4 Conduct capacity building on startup business (including upgrade products or services through value addition) and online business for FMU (Follow Up Action “Technical Course for the Food Safety and Production Development Non-Timber Forest Products and Initial Capital)



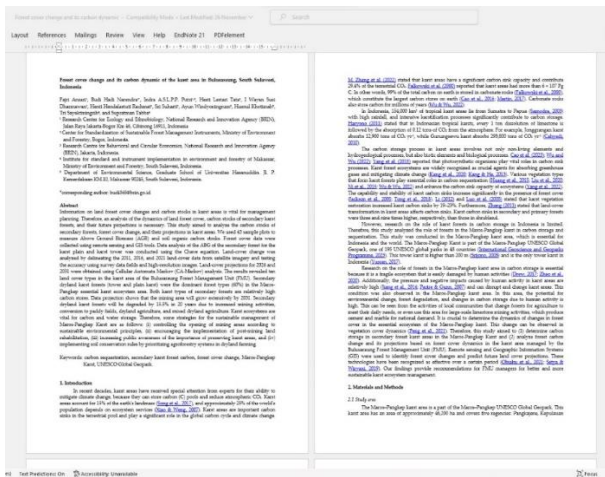
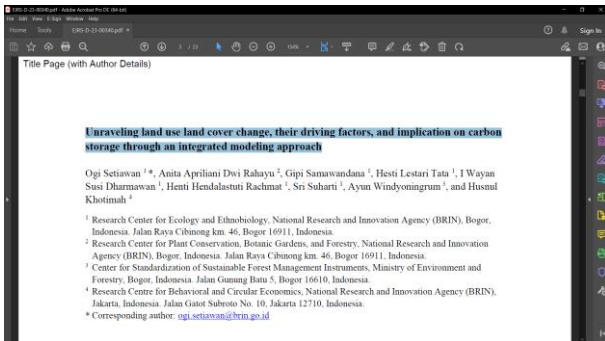
Activity 5.1 Workshop on developing Long Term Forest Management Plan based on Climate Change Adaptation and Mitigation and Mentoring in Preparing RPHJP KPH Based on Climate Adaptation for Sustainable Forest Management



Activity 7.1 Establishing demonstration plot (5 ha expansion on Maros and Sumbawa sites)

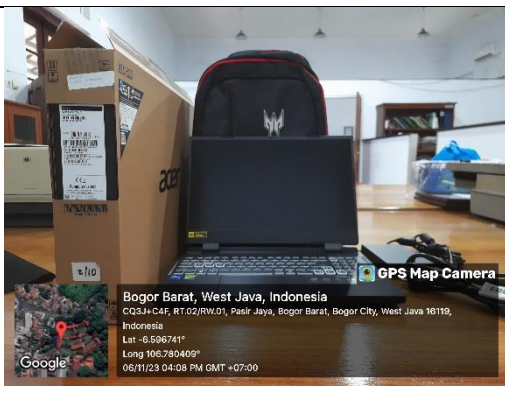
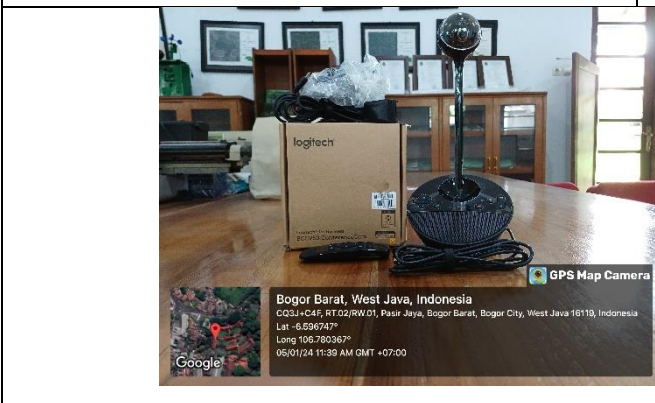


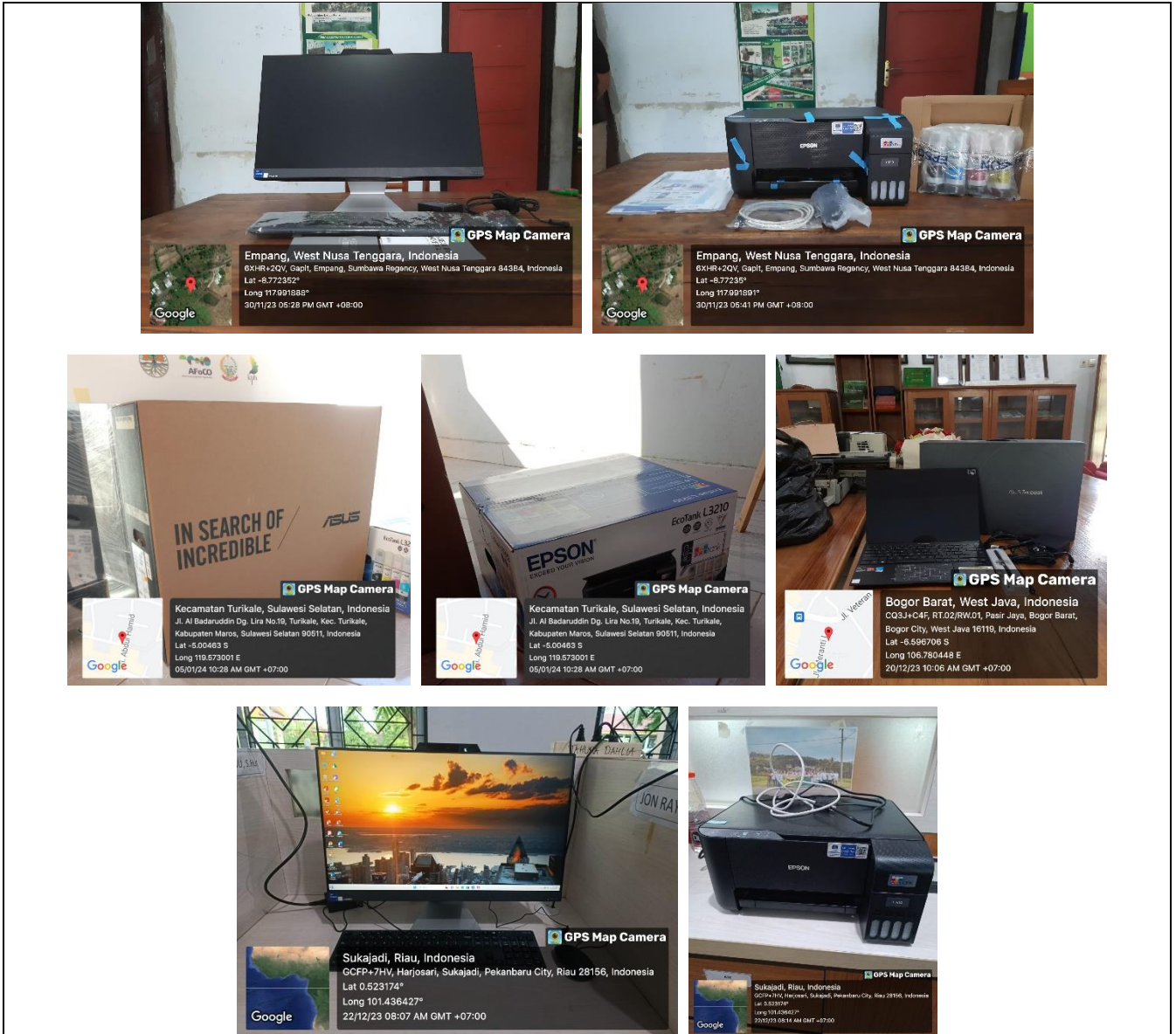
Activity 8.1 Maintenance growth monitoring of the demonstration plots in three project sites



Activity 9.2 Publication and dissemination (workshop, seminar, conference, publications) (Workshop on Formulation of Forest Management Standards and 2 Journal Publication of Results of AFoCO Project 023/2021 Activities)

Activity 9.3 Review, monitoring, evaluation: mid-term, annual review, and reporting substance and financial (Country visit for project monitoring by AFoCO Secretariat and 4th PSC Meeting)





Activity 9.4 Management for support operation (1 conference cam, 2 laptop, 6 PC/desktop computer, 3 printer)



(Other Activities) Visit by Timor-Leste officials to South Sulawesi Project Site, 25 January 2023

Appendix 1. Survival rate from each demonstration plot

- Peatland plot in Kepau Jaya Forest with Specific Purposes, Kampar Regency, Riau Province:

Agroforestry Block:	Nr. of seedlings planted	Survival Rate in 2022 (finish planted in December 2022)	Survival Rate in 2023 (measurement in October 2023)
Oil Palm Block (long term rehabilitation/Jangka benah): (first plantation)			19.02%
<i>Coffee liberica</i>	500	17.80%	
<i>Shorea balangeran</i>	110	24.54%	
Agroforestry Block (first plantation):			78.25%
<i>Coffee liberica</i>	930	29.25%	
Cajuput (<i>Melaleuca cajuputi</i>)	930	38.49%	
<i>Shorea balangeran</i>	500	8.80%	
(Replanting 2023)			
Geronggang (<i>Crataxylon arborescens</i> Bl.)	480	50.41%	
Pulai (<i>Alstonia scholaris</i>)	100	94.00%	
Tembesu (<i>Fagraea fragans</i> Roxb.)	1000	82.40%	
Additional MPTS from vice minister visit in 2023			
Nangka (<i>Artocarpus heterophyllus</i>)	17	100.00%	
Mangga (<i>Mangifera indica</i> L.)	23	100.00%	
Durian (<i>Durio sp.</i>)	11	100.00%	
Secondary forest block I:			62.81%
Pulai (<i>Alstonia scholaris</i>)	400	66.43%	
Matoa (<i>Pometia pinnata</i>)	363	35.81%	
Durian (<i>Durio sp.</i>)	363	33.06%	
Nangka (<i>Artocarpus heterophyllus</i>)	363	10.19%	
Jengkol (<i>Archidendron pauciflorum</i>)	363	7.16%	
Petai (<i>Parkia speciosa</i>)	363	29.48%	
Replanting			
Pulai (<i>Alstonia scholaris</i>)	1000	included above	
Geronggang (<i>Crataxylon arborescens</i> Bl.)	20	55.00%	
Secondary forest block II:			75.55%
Pulai (<i>Alstonia scholaris</i>)	554	65.13%	
Matoa (<i>Pometia pinnata</i>)	335	25.67%	
Durian (<i>Durio sp.</i>)	335	24.78%	
Nangka (<i>Artocarpus heterophyllus</i>)	335	0.00%	

Jengkol (<i>Archidendron pauciflorum</i>)	335	0.00%	
Petai (<i>Parkia speciosa</i>)	335	0.00%	
Replanting			
Pulai (<i>Alstonia scholaris</i>)	900	included above	
Trembesi (<i>Samanea saman</i>)	200	27.50%	
	11165		

- Karst plot in Bulusarang FMU, Maros District, South Sulawesi Province:

No.	Pattern (treatment)	Measurable number of plants	Survival Rate in 2023 (%)
1.	Pattern 1 (Alternate rows)	256	71,11 %
2.	Pattern 2 (Trees along borders)	253	70,27 %
3.	Pattern 3 (Alternate strips)	175	48,61 %
4.	Pattern 4 (Random mixture)	207	57,5 %

No.	Pattern (treatment)	Plant Species	Average Height (cm)	Average Diameter (mm)
1.	Pattern 1 (Alternate rows)	Durian	62.40	8.62
2.		Red Jabon	45.43	9.45
3.		White Jabon	64.78	11.60
4.		Cajuput	100.80	9.62
5.		Mahogany	53.94	7.13
6.		Mango	135.04	22.27
7.		Mangosteen	51.11	6.87
8.		Nyatoh	61.40	8.03
9.		Rambutans	97.77	13.35
10.		Tanjung	50.13	6.52
1.	Pattern 2 (Trees along borders)	Durian	137	16.60
2.		Red Jabon	49.50	13.30
3.		White Jabon	39	13.40
4.		Caliandra	126.37	13.59
5.		Mahogany	42.62	7.36
6.		Nyatoh	58.26	9.62
7.		Nutmeg	34	6.20
8.		Rambutans	94.71	14.74

9.		Tanjung	41.92	6.88
1.	Pattern 3 (Alternate strips)	Durian	58.33	9.17
2.		Red Jabon	53.14	13.84
3.		White Jabon	88.50	15.47
4.		Caliandra	87.43	12.38
5.		Cajuput	54.07	7.33
6.		Mahogany	46.35	9.51
7.		Matoa	73.25	9.25
8.		Nyatoh	40.15	6.52
9.		Nutmeg	36.80	5.72
10.		Rambutans	73.67	11.52
11.		Tanjung	35.23	5.33
1.	Pattern 4 (Random mixture)	Durian	100.2	13.74
2.		Red Jabon	109.22	17.92
3.		White Jabon	97	14.98
4.		Caliandra	207.47	15.64
5.		Mahogany	54.21	7.48
6.		Nyatoh	72.90	8.93
7.		Nutmeg	67.83	9.61
8.		Rambutans	97.59	11.92
9.		Tanjung	38.83	4.71

- Mangrove plot in Amplang Plampang FMU, Sumbawa Regency, West Nusa Tenggara Province:

Species Planted	Nr. of seedlings planted	Survival Rate in 2022	Survival Rate in 2023
<i>Rhizophora mucronata</i>	31000 seedlings (main plantation), and additional 2000 seedlings (replanting/sown the loss)	> 90%	Mostly 100%
<i>Rhizophora apiculata</i>			
<i>Bruguiera gymnorrhiza</i>			

Appendix 2. Saving and carry over budget from 2023

Activity	Revised budget based on PIP Matrix 2023 (USD)	Fund released (USD)	Expenditure (as of 2023)	Balance as of 2023 (USD)	Budget 2024	Total Budget for 2024	status
Activity 1.1 Inception meeting	957.30	957.30	957.30	-	-	-	completed
Activity 1.2 Kick off meeting	875.51	875.51	875.51	0.00	-	0.00	completed
Activity 1.3 Stakeholders meeting	1,768.20	1,768.20	1,768.20	-	-	-	completed
Activity 1.4 Collect and analyze data and information for scoping and spatial analysis	9,918.14	9,918.14	9,918.14	0.00	-	0.00	completed
Activity 1.5 Collect and analyze baseline data and information of carbon stock, emission, biodiversity; and identification of potential commodities in three sites (Riau, Bali, South Sulawesi)	30,012.00	14,698.58	14,698.58	0.00	15,313.42	15,313.42	
Activity 2.1 Survey and assess data and information of Socio-economic (livelihood, economic assessment, market analysis) at the beginning and end of the project	35,760.00	8,982.61	8,982.61	-	26,777.39	26,777.39	
Activity 3.1 Investigate and conduct value chain analysis and market analysis of potential commodities	9,456.29	9,456.29	9,456.29	-	-	-	completed
Activity 4.1 Conduct capacity building on GIS and Remote sensing analysis for FMU Officers at three project sites	35,810.63	35,810.63	35,810.63	-	-	-	completed
Activity 4.2 Conduct capacity building on accounting of carbon stocks and emissions reduction, for FMU officers in the three project sites	29,725.00	29,725.00	29,725.00	-	-	-	completed
Activity 4.3 Conduct Capacity building/training on initiating and promoting eco-tourism for FMU personnel at the three project sites	30,098.81	30,098.81	18,084.13	12,014.68	-	12,014.68	carry over to 2024

Activity 4.4 Conduct Capacity building on startup business (including upgrade products or services through value addition) and online business for FMU personnel at the three project sites	29,339.30	29,339.30	29,339.30	-	-	-	completed
Activity 5.1 ganti nama Workshop on developing scenario of Business Plans (forest-based ecotourism, etc., based on site resources potential and market opportunities) for the three project sites	35,500.00	35,500.00	16,296.14	19,203.86	-	19,203.86	carry over to 2024
Activity 5.2 Share learning and policy dialogue (workshop & FGD) in the district and provincial level on the developed Business Plan of the FMUs	28,975.00	-	-	-	28,975.00	28,975.00	no budget released yet
Activity 6.1 Participatory rural appraisal (PRA) on demonstration plot site matching	22,063.29	22,063.30	22,063.30	0.00		0.00	completed
Activity 7.1 Establishing demonstration plots	69,360.19	50,924.00	50,722.33	201.67	18,436.19	18,637.86	carry over to 2024
Activity 8.1 Maintenance growth monitoring of the demonstration plots	29,370.43	18,518.71	16,905.14	1,613.57	11,828.48	13,442.05	carry over to 2024
Activity 9.1 Organize workshop for the midterm and end project results	44,858.56	7,977.85	1,377.93	6,599.92	36,880.71	43,480.63	carry over to 2024
Activity 9.2 Publication and dissemination (workshop, seminar, conference, publications)	50,870.00	23,545.00	14,530.58	9,014.42	27,726.24	36,740.66	carry over to 2024
Activity 9.3 Review, Monitoring, Evaluation: mid-term, annual review, and reporting substance and financial	29,833.00	17,562.74	17,432.14	130.60	12,371.26	12,501.86	carry over to 2024
Activity 9.4 Management for support operation	26,008.14	23,308.14	20,188.61	3,119.53	2,951.48	6,071.01	carry over to 2024
Activity 9.5 Staff Resources	74,439.81	52,599.81	52,463.23	136.58	21,895.73	22,032.31	carry over to 2024
A.9.6 Contingency (12% x total budget)	75,000.40	112.73	138.64	25.91	75,000.00	-	retained by AFoCO
TOTAL	700,000.00	423,742.65	371,733.72	52,008.93	278,155.90	255,190.74	

3. Project site maps

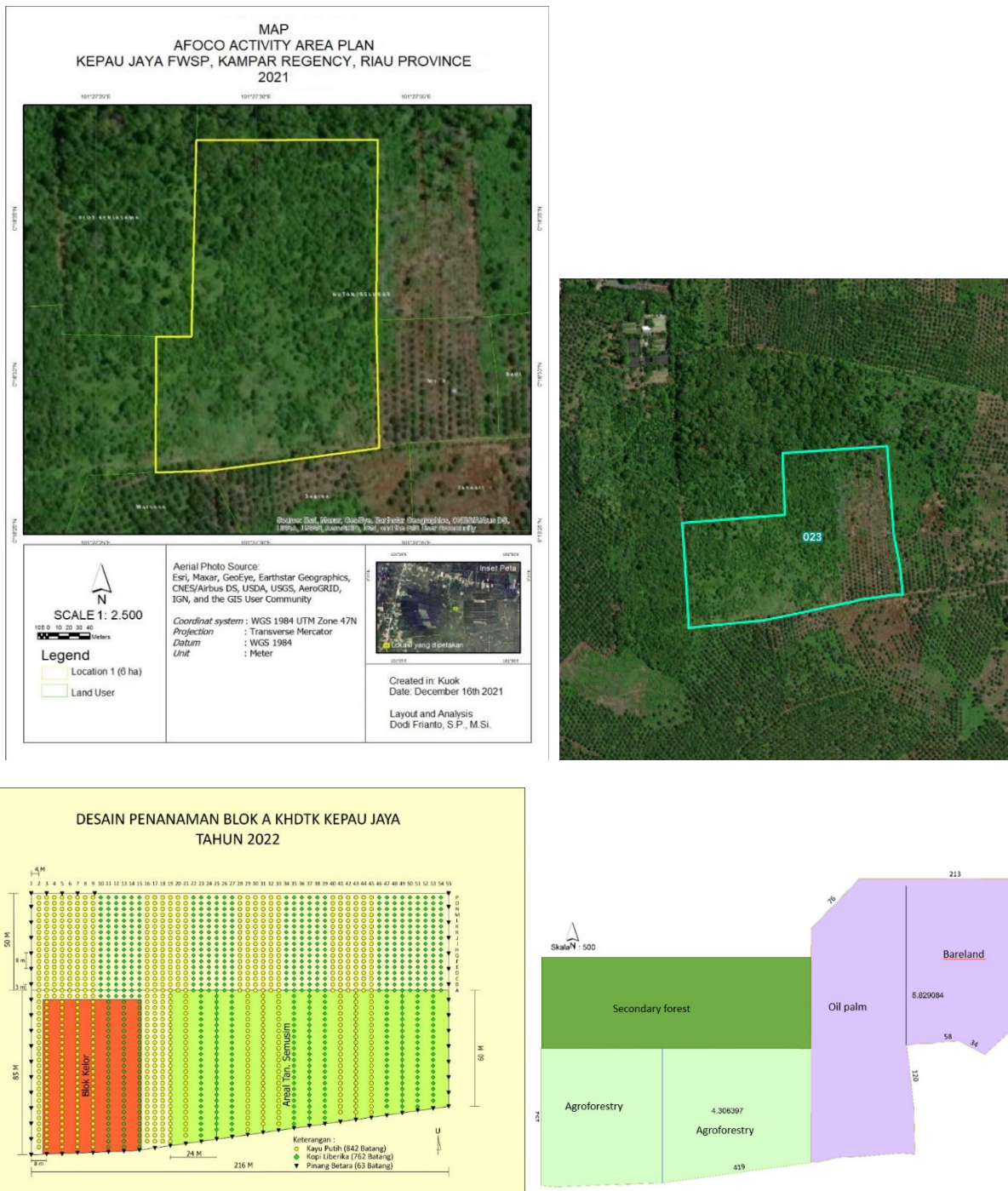


Figure 1. Demonstration plot map and plantation design maps in Kepau Jaya Forest Area with Specific Purpose, Kampar Regency, Riau Province

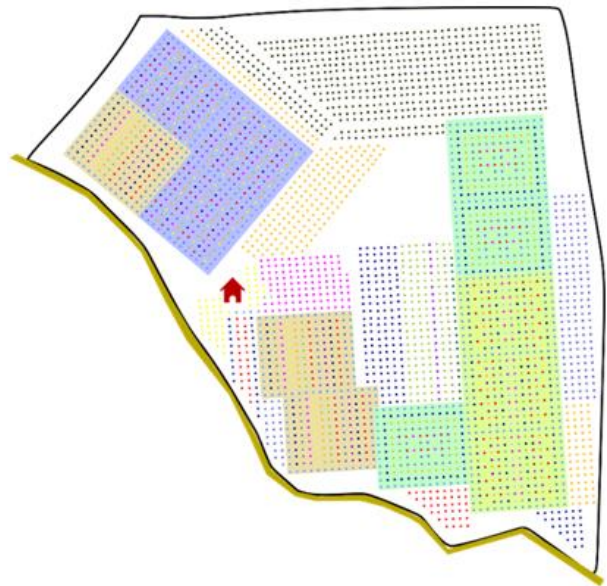
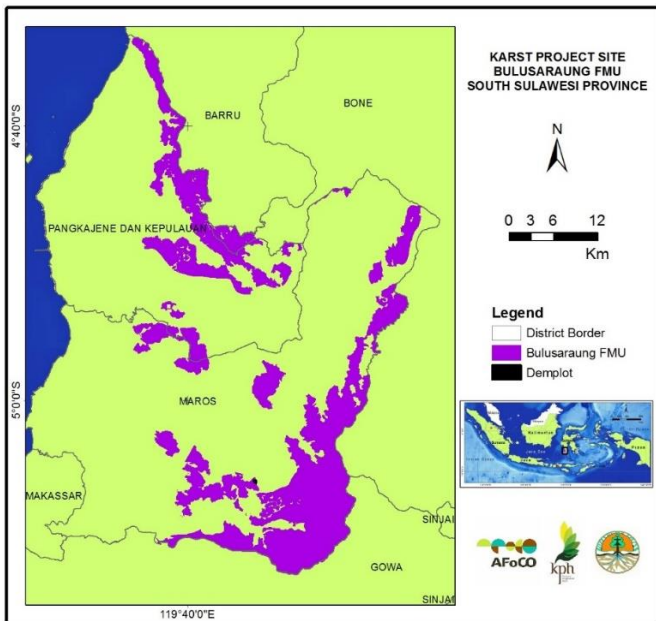
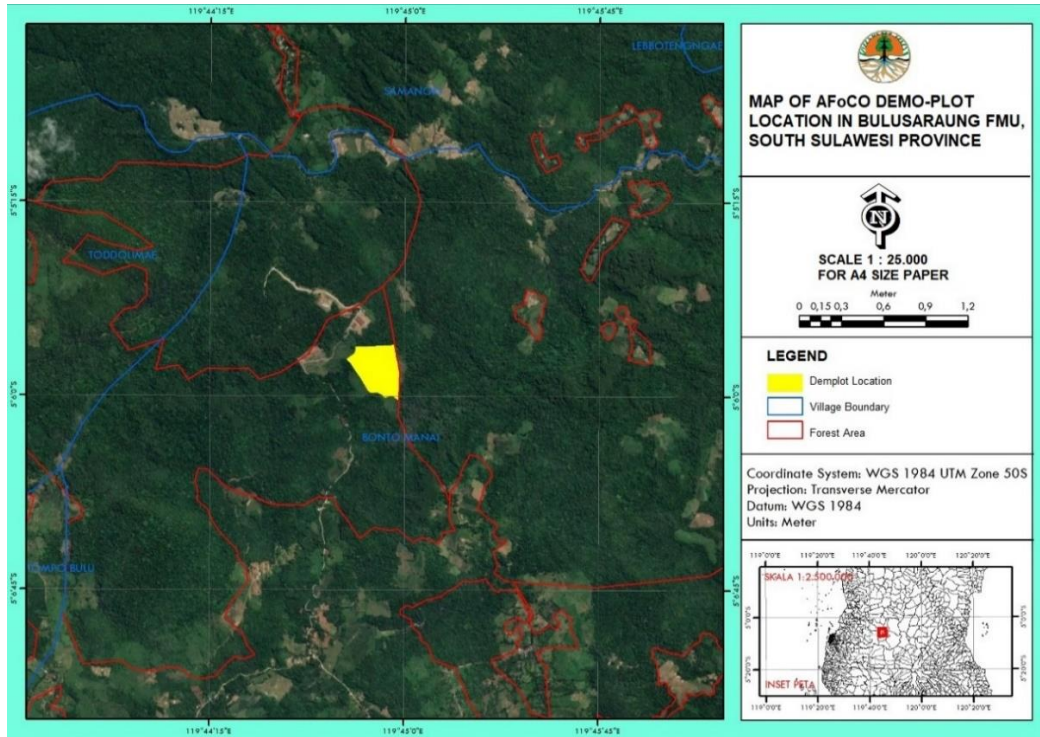


Figure 2. Demonstration plot maps and plantation design map in Bulusaraung FMU, Maros District, South Sulawesi Province

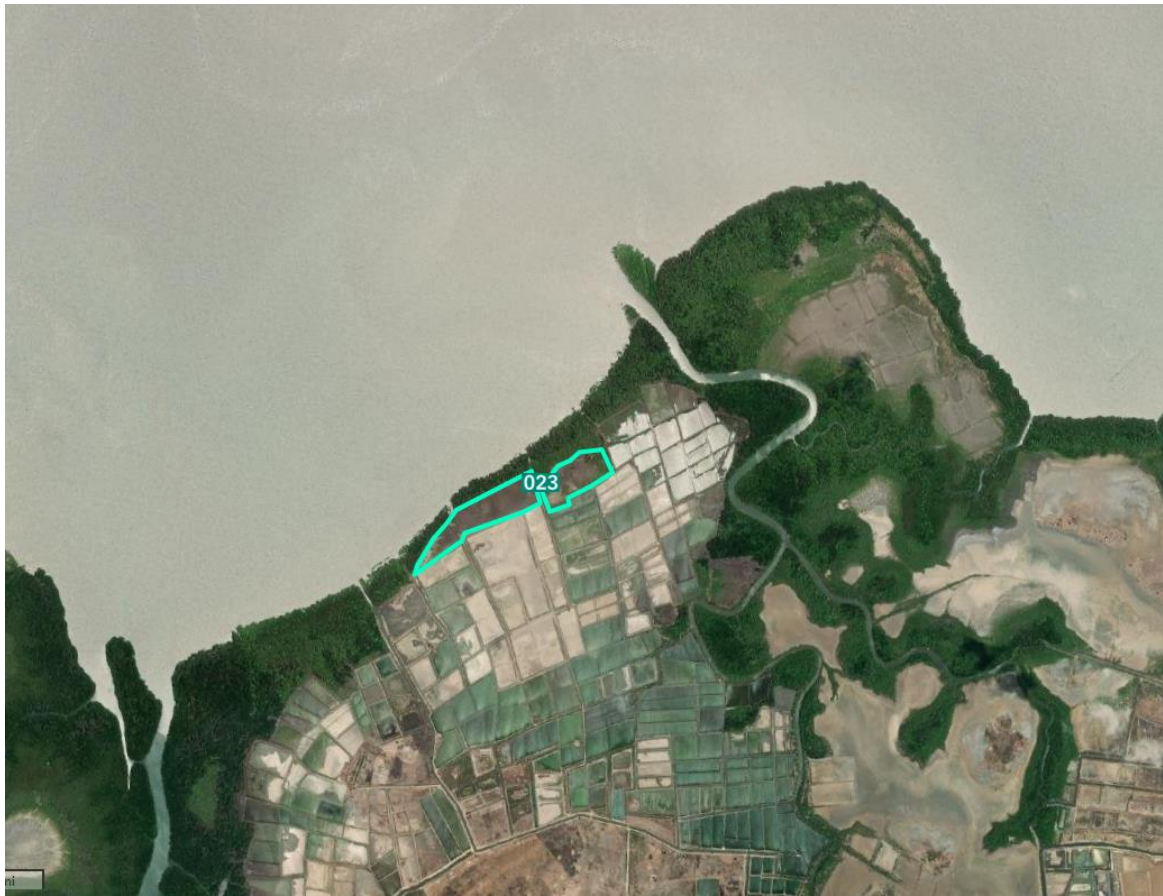


Figure 3. Mangrove Ecosystem Project Site in Ampang Plampang FMU, Sumbawa Regency, West Nusa Tenggara



Figure 4. Expansion of Mangrove Demonstration Plot (5 ha) in Teluk Santong, Ampang Plampang FMU, Sumbawa Regency, West Nusa Tenggara

4. List of capacity development activities (training / meetings / workshops)

No.	Outputs/Activities	2023			Main Target
		Total No. of Trainees	Trainees		
			Male	Female	
1	<p>(A.4.2) Capacity building for calculating carbon stock and reducing emissions for FMU officers in three sites (West Nusa Tenggara, South Sulawesi, and Riau)</p> <p>a. In House Training Calculation of Forest Carbon Stocks Based on Indonesian National Standard 7724:2019 for FMU Officers in South Sulawesi Province (October 5-7, 2022).</p> <p>b. In House Training Calculation of Forest Carbon Stocks Based on Indonesian National Standard 7724:2019 for FMU Officers in West Nusa Tenggara Province (December 13-15, 2022).</p> <p>c. In House Training Calculation of Forest Carbon Stocks Based on Indonesian National Standard 7724:2019 for FMU Officers in Riau Province (February 14-16, 2023)</p>	86	63	23	
2	<p>(A.4.3) Capacity building/training on initiating and promoting eco-tourism for FMU personnel at the three project sites (Riau, South Sulawesi, and West Nusa Tenggara)</p> <p>a. In-house Training Development of Business Plan of Honey Products for Honey Producer from Forest Farmer Group assisted by FMU in Riau Province (February 14, 2023)</p> <p>b. In-house Training in Natural Ecotourism Management based on Indonesian National Standard 8013:2014 for Forest Farmers Group and Tourism Awareness Group in Bulusaraung FMU (March 13-14, 2023)</p> <p>c. In-house Training Birdwatching Ecotourism for Forest Farmer Group assisted by Ampang Plampang FMU (June 21-22, 2023)</p>	<p>a. 26</p> <p>b. 24</p> <p>c. 35</p>	<p>5</p> <p>9</p> <p>1</p>	<p>21</p> <p>15</p> <p>34</p>	
3	<p>(A.4.4) Capacity building on startup business (including upgrade products or services through value addition) and online business for FMU personnel at the three project sites (Riau, South Sulawesi, and West Nusa Tenggara)</p> <p>a. In-house Training Development of Digital</p>	a. 26	5	21	

	<p>Marketing of Honey Products for Honey Producer from Forest Farmer Group assisted by FMU in Riau Province (February 15, 2023)</p> <p>b. In-house Training on Preparation of Business Plan and Digital Marketing of Palm Sugar Products for Palm Sugar Producer from Forest Farmer Group assisted by Bulusaraung FMU (March 14-15, 2023)</p> <p>c. In-house Training Management and Processing of Mangrove Products for Forest Farmer Group assisted by Ampang Plampang FMU (June 21-22, 2023)</p> <p>d. Technical Course on Food Safety and Production Development of Non-Timber Forest Products ('Gadung' and coconut sugar) and Silvofishery (Mud Crab) in Sumbawa, West Nusa Tenggara (November 28-30, 2023)</p> <p>e. Technical Course on the Development of Non-Timber Forest Products with a special topic on palm sugar production in Maros, South Sulawesi (November 30, 2023)</p> <p>f. Discussion on the Development of Honey and NTFPs in Minas Tahura FMU, Riau Province (December 21, 2023)</p>	<p>b. 37</p> <p>c. 35</p> <p>d. 60</p> <p>e. 50</p> <p>f. 30</p>	<p>13</p> <p>10</p> <p>38</p> <p>35</p> <p>22</p>	<p>24</p> <p>25</p> <p>22</p> <p>15</p> <p>8</p>	
4	<p>(A.5.1) Workshop on developing scenario of Business Plans (forest-based ecotourism, etc., based on site resources potential and market opportunities) for the three project sites</p> <p>a. Workshop on developing Long Term Forest Management Plan based on Climate Change Adaptation</p> <p>b. Mentoring in Preparing RPHJP KPH Based on Climate Adaptation for Sustainable Forest Management</p>	<p>a. 100 (20 on site and 80 online)</p> <p>b. 19</p>	<p>80</p> <p>10</p>	<p>20</p> <p>9</p>	
5	<p>(A.9.2) Publication and dissemination (workshop, seminar, conference, publications)</p> <p>Workshop on Formulation of Forest Management Standards and Publication of Results of AFoCO Project 023/2021 Activities</p>	<p>47 (22 on site and 25 online)</p>	<p>23</p>	<p>24</p>	

A3. List of advocacy materials

No.	Inventory code & Title	Type	Number	Year	Language	Submission to AFoCO Sec.
1	SA.11/A.9.2/AFoCO/023/5/2023 Project Progress 2021 – Mid 2023 Leaflet	Brochure	11	2023	Indonesian	May 12, 2023
	SA.13/A.9.3/AFoCO/023/6/2023 Minas Tahura FMU Profile Leaflet		13	2023	English	June 7, 2023
	SA.14/A.9.3/AFoCO/023/6/2023 Bulusaraung FMU Profile Leaflet		14	2023	English	June 7, 2023
	SA.17/A.1.5/AFoCO/023/9/2023 A.1.5 Carbon stock, emission, biodiversity Leaflet		17	2023	English	September 18, 2023
	SA.18/A.7.1/AFoCO/023/9/2023 A.7.1 Establishment demonstration plot Leaflet		18	2023	English	September 18, 2023
2	SA.08/A.4.4/AFoCO/023/3/2023 Documentation of 2 In House Training (In House Training on Ecotourism Management Based on SNI 8013:2014 and Digital Marketing of Palm Sugar Products) South Sulawesi	Audio-visual presentation	8	2023	Indonesian	March 13, 2023
	SA.09/A.4.4/AFoCO/023/3/2023 Palm Sugar Farmer Interview		9	2023	Indonesian	March 13, 2023
	SA.21/A.4.4/AFoCO/023/12/2023 Technical Course for the Silvofishery (Mud Crab)		21	2023	Indonesian and English	December 19, 2023
3	SA.06/A.4.2/AFoCO/023/2/2023 Supporting Human Resource Capacity Building,	News articles	6	2023	Indonesian	February 15, 2023

	<p>Pustarhut Organizes Inhouse Training: Calculation of Forest Carbon and Preparation of Business Plans and Digital Marketing of Honey Products</p> <p>SA.07/A.4.3/AFOCO/023/3/2023 In House Training on Ecotourism Management Based on SNI 8013:2014 and Digital Marketing of Palm Sugar Products at KPH Bulusaraung, South Sulawesi Province</p> <p>SA.10/A.9.2/AFOCO/023/2023 Formulating Non-Carbon Benefit Standards, Pustarhut Holds Workshop</p> <p>SA.12/A.9.2/AFOCO/023/5/2023 Inviting National Experts, Pustarhut Holds FGD Formulation of Forest Management Standards from Best Practice AFoCO Project 023/2021</p> <p>SA.15/A.9.3/AFOCO/023/6/2023 AFoCO Korea Project Monitoring and Evaluation to FMU Minas Tahura SSH</p> <p>SA.16/A.9.3/AFOCO/023/6/2023 Supporting Sustainable Mangrove Management, Pustarhut Holds Inhouse Birdwatching Training and Processing of Mangrove Products</p>		7	2023	Indonesian	March 13, 2023
			10	2023	Indonesian	May 12, 2023
			12	2023	Indonesian	May 13, 2023
			15	2023	Indonesian	June 14, 2023
			16	2023	Indonesian	June 22, 2023
4	<p>SA.19/A.9.2/AFOCO/023/10/2023 Unravelling land use land cover change, heir driving factors, and implication on</p>	Research article	19	2023	English	October 13, 2023

	carbon storage through an integrated modelling approach SA.20/A.9.2/AFOCO/023/11/2023 Forest cover change and its carbon dynamic of the karst area in Bulusaraung, South Sulawesi, Indonesia		20	2023	English	November 26, 2023
5	-	Proceedings	-	-	-	-


5. Updates on Procurement status

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
1.	HA.11/A.9.4/AFOCO/023/6/2023	Logitech BCC950 Conference Cam WebCam Camera Specification: Features : Full HD 1080p video calling (up to 1920 x 1080 pixels); 720p HD video calling (up to 1280 x 720 pixels) with supported clients Field of view: Diagonals: 78° Horizontal: 70.42° Vertical: 43.3° 1.2x HD zoom 228mm extender rod for eye level/eye level camera angles Rightlight™ 2 technology for clarity in a variety of lighting environments, even low light Camera LED for active streaming indication Speakerphone: Integrated full duplex speakerphone with echo and noise cancellation Controls for answering/ending calls, volume, mute and camera movement Microphone (Tx)	1 qty	1 qty	Bogor	

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		<p>Omnidirectional microphone with a 2.4 m diameter range Frequency response: 200Hz - 8KHz Speaker (Rx) Frequency response: 220Hz - 20KHz Maximum output: 80 dB SPL at 0.3m</p> <p>Remotes: IR range 3 m CR2032 battery (included) CABLE / POWER AC Power Adapter Power cord (2.4m) USB cable (2.4m) INCREASE Designed for table use</p> <p>Compatibility and Certification: Plug-and-play USB connectivity Certified for Skype for Business and ready for Teams Certified Zoom Fuze Certified Compatible with Google Meet Compatible with Cisco Jabber® and WebEX Compatible with BlueJeans, BroadSoft, GoToMeeting, Vidyo and other video conferencing, recording and broadcasting applications that support USB cameras</p>				

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
2.	HA.12/A.9.4/AFOCO/023/1/2023	<p>Laptop Acer Nitro 5 (AN515-58-710Q)</p> <p>Specifications:</p> <ul style="list-style-type: none"> - Processor: Intel® Core™ i7-12650H processor (24MB cache, up to 4.70Ghz) - OS: Windows 11 Home - Memory: 16 GB (2 x 8GB) DDR5 - Storage: 512GB SSD NVMe - Display: Inch, Res, Ratio, Panel: 15.6" FHD LED IPS 165Hz, 100% sRGB - Graphics: NVIDIA® GeForce® RTX 4050 with 6GB of GDDR6 (95W) 	1 qty	1 qty	Bogor	
3.	HA.13/A.4.4/AFOCO/023/1/2023	Drying Machine, 10 Shelves, Gas Type (Serial Number: SN/11/2023/3664)	1 qty	1 qty	Maros	

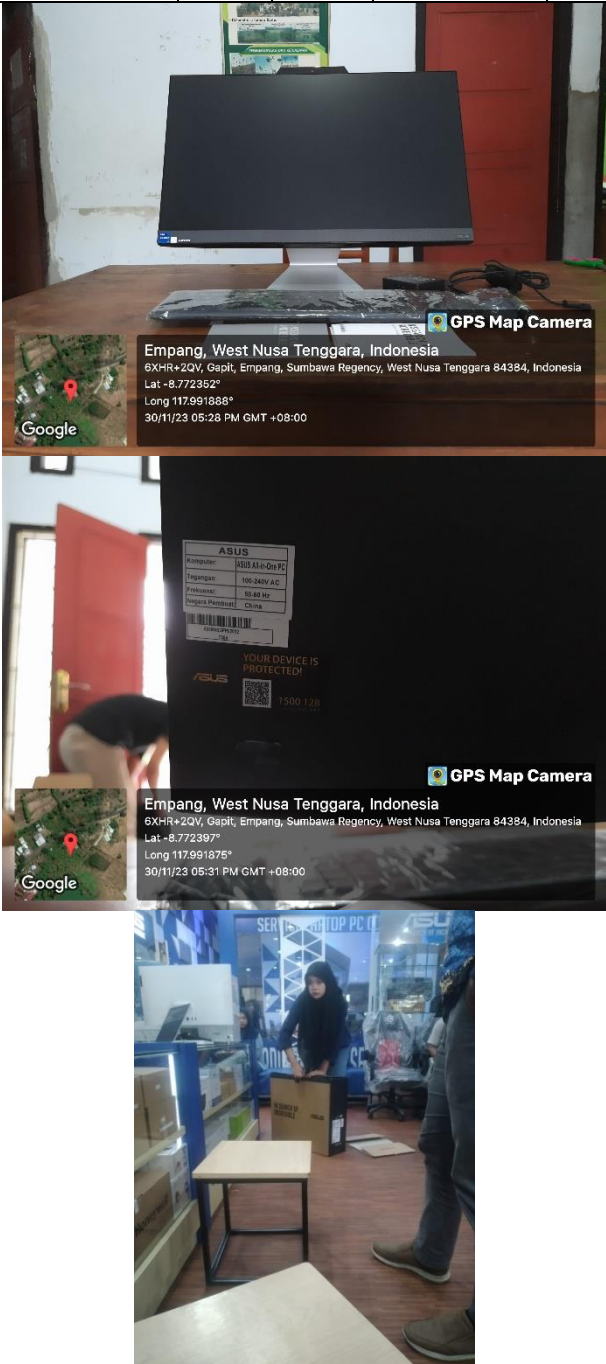



No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		<ul style="list-style-type: none"> - Model: Pan / Shelf - Capacity: 100 Kg per Pan - Temperature Control: Thermocontrol Temperature 30-110°C - Flow: Evenly distributed on every wall - Pan Material: Full Stainless - Type of Pan: Solid Stainless, Porporated & Mesh Gauze - Pan size: 50 cm x 45 cm x 3cm - Safety: Automatic Gas Burner - Circulation: Electric Blower - Equipped with UV Lamp: Sterilization / Germ Killer - Capacity: 10 Pans / Shelves - Dimensions L x W x H: 60 cm x 60 cm x 105 cm - Number of Doors: 1 Pcs - Power Consumption: 50 watts 				
						

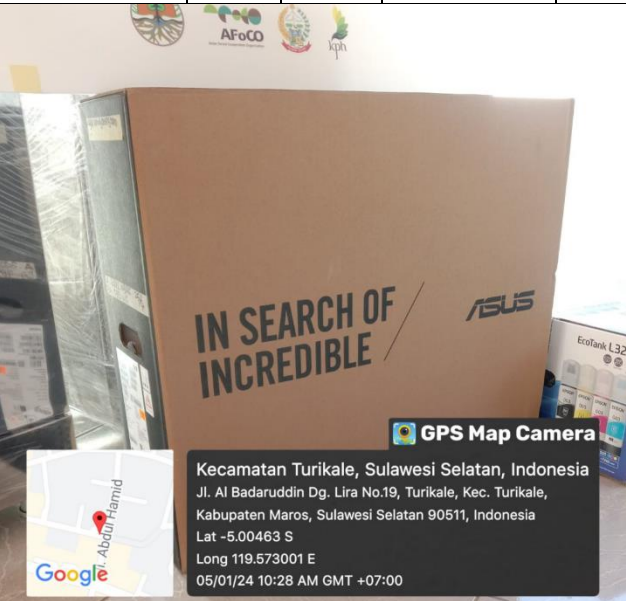
No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
4.	HA.14/A.4.4/AFoCO/023/1/2023	Drying Machine, 10 Shelves, 1 Door (Serial Number: SN/11/2023/3665) - Model: Pan / Shelf - Capacity: 100 Kg per Pan - Temperature Control: Thermocontrol Temperature 30-110°C - Flow: Evenly distributed on every wall - Pan Material: Full Stainless - Type of Pan: Solid Stainless, Porporated & Mesh Gauze - Pan size: 50 cm x 45 cm x 3cm - Safety: Automatic Gas Burner - Circulation: Electric Blower - Equipped with UV Lamp: Sterilization / Germ Killer - Capacity: 10 Pans / Shelves - Dimensions L x W x H: 60 cm x 60 cm x 105 cm - Number of Doors: 1 Pcs - Power Consumption: 50 watts	1 qty	1 qty	Maros	


No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
						
5.	HA.15/A.4.4/AFOCO/023/1/2023 HA.16/A.4.4/AFOCO/023/1/2023 HA.17/A.4.4/AFOCO/023/1/2023 HA.18/A.4.4/AFOCO/023/1/2023	Manual Cashew Peeling Machine - Capacity: 5 kg/hour - Net weight: 16 kg - Packing dimensions: 85 x 23 x 32 mm - Driving force: Manual - Function: Peeling cashew nuts/skin	4 qty	4 qty	Sumbawa	
						
6.	HA.19/A.9.4/AFOCO/023/1/2023 HA.20/A.9.4/AFOCO/023/1	ASUS PC All in One - Processor: 12th Gen Intel Core i7-1255U	2 qty	2 qty	Sumbawa and Mataram	


No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
	1/2023	<p>Processor 1.7 GHz (12M Cache, up to 4.7 GHz, 10 cores)</p> <ul style="list-style-type: none"> - RAM: 16GB DDR4 SO-DIMM - Storage: 512GB M.2 NVMe™ PCIe® 3.0 SSD - VGA: Intel UHD Graphics - Display: 23.8-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, sRGB: 100%, Screen-to-body ratio 88 % - Camera: 720p HD camera with privacy shutter - Audio: Built-in microphone, Built-in speaker, SonicMaster - Connectivity: Wi-Fi 6 (802.11ac) (Dual band) 2x2 + Bluetooth® 5.3 Wireless Card - Side I/O Ports: <ul style="list-style-type: none"> 1x Kensington lock, 1x 2-in-1 SD/MMC card reader, 1x 3.5mm combo audio jack, 1x USB 2.0 Type-A - Back I/O Ports: <ul style="list-style-type: none"> 1x DC-in, 1x RJ45 Gigabit Ethernet, 1x HDMI out 1.4, 1x HDMI in 1.4, 3x USB 3.2 Gen 1 Type-A, 1x USB 2.0 Type-A, 1x USB 3.2 Gen 1 Type-C - Power Supply: ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal - Dimensions: 540.6 x 47.9 x 409.15 mm (LxWxH) - Weight: 5.4Kg - Operating System: 				



No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		Windows 11 Home + Office Home & Student 2021 - Warranty: ASUS Warranty 2 Years - Accessories: Keyboard & Optical mouse				
						
7.	HA.21/A.9.4/AFOCO/023/1 1/2023	Printer EPSON L3210 - Ink: Dye Ink - Function: Print, Scan, & Copy - Speed: 33ppm / 10ipm	1 qty	1 qty	Sumbawa	

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		for black and white dan 15ppm / 5ipm for color - Resolution: 5760 x 1440 dpi - Max Print Size: A4 - Max Scan Size: A4 Flatbed - Power Consumption (Working /Sleep): 14/0.4 Watt - Warranty: 2 years or 30.000 sheets				
						
8.	HA.22/A.9.4/AFOCO/023/1 1/2023 HA.23/A.9.4/AFOCO/023/1 1/2023	ASUS PC All in One - Processor: 12th Gen Intel Core i7-1255U Processor 1.7 GHz (12M Cache, up to 4.7 GHz, 10 cores) - RAM: 16GB DDR4 SO-DIMM - Storage: 512GB M.2 NVMe™ PCIe® 3.0 SSD - VGA: Intel UHD Graphics - Display: 23.8-inch, FHD (1920 x 1080) 16:9, Wide view, Anti- glare display, LED Backlit, 250nits, sRGB: 100%, Screen-to-body ratio 88 % - Camera: 720p HD camera with privacy shutter - Audio: Built-in microphone, Built-in speaker, SonicMaster - Connectivity: Wi-Fi 6 (802.11ac) (Dual band)	2 qty	2 qty	Maros and Makassar	



No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		<p>2x2 + Bluetooth® 5.3 Wireless Card</p> <p>- Side I/O Ports: 1x Kensington lock, 1x 2-in-1 SD/MMC card reader, 1x 3.5mm combo audio jack, 1x USB 2.0 Type-A</p> <p>- Back I/O Ports: 1x DC-in, 1x RJ45 Gigabit Ethernet, 1x HDMI out 1.4, 1x HDMI in 1.4, 3x USB 3.2 Gen 1 Type-A, 1x USB 2.0 Type-A, 1x USB 3.2 Gen 1 Type-C</p> <p>- Power Supply: ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal</p> <p>- Dimensions: 540.6 x 47.9 x 409.15 mm (LxWxH)</p> <p>- Weight: 5.4Kg</p> <p>- Operating System: Windows 11 Home + Office Home & Student 2021</p> <p>- Warranty: ASUS Warranty 2 Years</p> <p>- Accessories: Keyboard & Optical mouse</p>				
						


No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
9.	HA.24/A.9.4/AFOCO/023/11/2023	<p>Printer EPSON L3210</p> <ul style="list-style-type: none"> - Ink: Dye Ink - Function: Print, Scan, & Copy - Speed: 33ppm / 10ipm for black and white dan 15ppm / 5ipm for color - Resolution: 5760 x 1440 dpi - Max Print Size: A4 - Max Scan Size: A4 Flatbed - Power Consumption (Working /Sleep): 14/0.4 Watt - Warranty: 2 years or 30.000 sheets 	1 qty	1 qty	Maros	
						

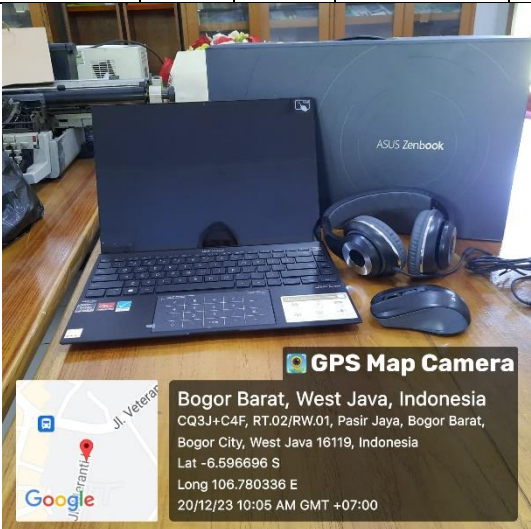
No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
10.	HA.25/A.4.4/AFOCO/023/12/2023	<p>Coffee Roasting Machine – Uncle John</p> <p>Roasting capacity: 500 grams Weight: 10 kg Dimensions: 85 x 90 x 109 cm Gas consumption: 0.5/hour Electricity consumption: 220 volts, 0.5 amperes</p>	1 qty	1 qty	Pekanbaru	
						
11.	HA.26/A.4.4/AFOCO/023/12/2023	<p>Coffee Grinder Machine PRODUCT SPECIFICATIONS FFC-15 + Robin Engine EY-20:</p> <ul style="list-style-type: none"> - Model: FFC 15 - Required engine power: 5.5Hp / 6.5Hp - Required electromotor power: 1.5 HP 2800 rpm - Productivity: 55 Kg/Hour - Main Shaft Speed: 8800 R.P.M - Include: 3 pcs filters (fine, medium and coarse) 	1 qty	1 qty	Pekanbaru	



No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
						
12.	HA.26/A.4.4/AFoCO/023/12/2023	<p>Honey Packaging Machine (Locking Capping Machine)</p> <ul style="list-style-type: none"> - Type: JGS980 - Dimensions: 60.5 x 30 x 97 (L x W x H) - Capacity: 800 bottles/hour - Wattage: 250 (220 v / 1 P / 50 Hz) - Bottle size: Diameter: 2 - 3.5 cm Height: 7-33 cm - Weight: 72 kg - Function: <ol style="list-style-type: none"> 1. Close the plastic bottle 2. Close the metal cap with thread 	1 qty	1 qty	Pekanbaru	
						

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
13.	HA.27/A.9.4/AFOCO/023/1 2/2023 HA.28/A.9.4/AFOCO/023/1 2/2023	ASUS PC All in One - Processor: 12th Gen Intel Core i7-1255U Processor 1.7 GHz (12M Cache, up to 4.7 GHz, 10 cores) - RAM: 16GB DDR4 SO-DIMM - Storage: 512GB M.2 NVMe™ PCIe® 3.0 SSD - VGA: Intel UHD Graphics - Display: 23.8-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, sRGB: 100%, Screen-to-body ratio 88 % - Camera: 720p HD camera with privacy shutter - Audio: Built-in microphone, Built-in speaker, SonicMaster - Connectivity: Wi-Fi 6 (802.11ac) (Dual band) 2x2 + Bluetooth® 5.3 Wireless Card - Side I/O Ports: 1x Kensington lock, 1x 2-in-1 SD/MMC card reader, 1x 3.5mm combo audio jack, 1x USB 2.0 Type-A - Back I/O Ports: 1x DC-in, 1x RJ45 Gigabit Ethernet, 1x HDMI out 1.4, 1x HDMI in 1.4, 3x USB 3.2 Gen 1 Type-A, 1x USB 2.0 Type-A, 1x USB 3.2 Gen 1 Type-C - Power Supply: ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal - Dimensions: 540.6 x	2 qty	2 qty	Pekanbaru dan Kuok	

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		47.9 x 409.15 mm (LxWxH) - Weight: 5.4Kg - Operating System: Windows 11 Home - Warranty: ASUS Warranty 2 Years - Accessories: Keyboard & Optical mouse				
		 				
14.	HA.29/A.9.4/AFOCO/023/12/2023	Printer EPSON L3210 - Ink: Dye Ink - Function: Print, Scan, & Copy - Speed: 33ppm / 10ipm for black and white dan 15ppm / 5ipm for color - Resolution: 5760 x 1440 dpi - Max Print Size: A4 - Max Scan Size: A4 Flatbed - Power Consumption (Working /Sleep): 14/0.4 Watt	1 qty	1 qty	Pekanbaru	

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		- Warranty: 2 years or 30.000 sheets				
						
15.	HA.30/A.9.4/AFOCO/023/12/2023	<p>Asus Zenbook 14X OLED UM5401RA-OLEDS753 (Jade Black)</p> <p>Specifications:</p> <ul style="list-style-type: none"> - Processor: AMD Ryzen™ 7 6800H Mobile Processor (8-core/16-thread, 16MB cache, up to 4.7 GHz max boost) - Intergrated GPU: AMD Radeon™ Graphics - Memory: 16GB LPDDR5 on board - Storage: 512GB M.2 NVMe™ PCIe® 4.0 Performance SSD - Panel Size: 14.0-inch 2.8K (2880 x 1800) OLED 16:10 aspect ratio 100% DCI-P3 color gamut Touch screen PANTONE Validated 90Hz refresh rate - Front-facing camera: 720p HD camera - Wireless: Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth 5 - NumberPad: Support NumberPad - FingerPrint - OS: Windows 11 Home - I/O ports: 1x USB 3.2 Gen 2 Type-A 2x USB 4.0 Gen 3 Type- 	1 qty	1 qty	Bogor	

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
		<p>C support display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack Micro SD card reader - Audio: Built-in speaker Built-in array microphone//harman/kardon (Premium) - Voice control: with Cortana and Alexa voice-recognition support - AC Adapter: TYPE-C, 100W AC Adapter, Output 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal - Battery: 63WHrs, 3S1P, 3-cell Li-ion - Keyboard: Backlit Chiclet Keyboard - Dimension (WxHxD): 31.12 x 22.11 x 1.59 ~ 1.59 cm - Weight (with Battery): 1.4 kg - Security: Fingerprint sensor integrated with Power Key Trusted Platform Module (Firmware TPM) - OS: Office Home and Student 2021</p>				
			 <p>GPS Map Camera Bogor Barat, West Java, Indonesia CQ3J+C4F, RT.02/RW.01, Pasir Jaya, Bogor Barat, Bogor City, West Java 16119, Indonesia Lat -6.596696 S Long 106.780336 E 20/12/23 10:05 AM GMT +07:00</p>			

No.	Inventory code	List (model description)	Plan	Actual	Location	Remarks
						
					 <p>GPS Map Camera Bogor Barat, West Java, Indonesia CQ3J+C4F, RT.02/RW.01, Pasir Jaya, Bogor Barat, Bogor City, West Java 16119, Indonesia Lat -6.5967 S Long 106.780381 E 20/12/23 10:04 AM GMT +07:00</p>	