Table 1 : Environmental Management Plan of PBPH PT. Erna Djuliawati

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
PROTECTED AREA									
1	Protected Forest Buffer Zone	Locals Activities	Function of Climatology	Area Border Maintenance	Protected Forest Buffer Area (1.537,97 Ha)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
			Function of Hydrology	Additional owarning boards		Once a year			
			Function of Ecology, water and Forest	Information session/Educating		Once a year			
			Vegetation Coverage	Area safety patrol		12 Times in a year			
2	Riparian/River Banks	Wood Cutting Activities	Fungsi hidrologi Function of Hydrology	Planting and maintaining	Riparian/River Banks (197,73 Km)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Local Acts	Function of Ecology, water and Forest	Area Border Maintenance		Once a year			
			Vegetation Coverage	Flora and Fauna disturbance management		Once a year			
			Erosion level	Additional owarning boards		Once a year			
			Sedimentation Level	Information session/Educating		Once a year			
			River water quality	Area safety patrol		12 Times in a year			
			water debit fluctuation						
			Government Rule and regulation						

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
3	Protected Water Resource Area	Farming Activities	Function of Hydrology	Area Border Maintenance	Protected water resource area (120,52 Ha)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting Activities	Water resource debit	Flora and Fauna Disturbance Mitigation		12 Times in a year			
			Government Rule and regulation (Peraturan Pemerintah No. 30 Tahun 2024)	Additional owarning boards		Once a year			
				Information session/Educating		Once a year			
				Area safety patrol		12 Times in a year			
4	Protected Wildlife Area	Farming	Wildlife Habitat condition	Area Border Maintenance	Wildlife Rescue Bag (899,43 Ha)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting	Wildlife Dynamic Population	Wildlife Inventory		Once a year			
		Hunting	Wildlife Encountering	Flora and Fauna disturbance management		Once a year			
				Additional owarning boards		Once a year			
				Information session/Educating		Once a year			
				Area safety patrol		12 Times in a year			
5	Germplasm Area	Farming	Wildlife Habitat condition	Area Border Maintenance	Sustained germplasm area (650 Ha)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting	Wildlife Dynamic Population	Flora and Fauna Inventory		Once a year			
		Hunting	Wildlife Encountering	Information		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
				session/Educating					
		Illegal Wood Cutting	Flora Condition	Additional owarning boards		Once a year			
				Flora and Fauna disturbance management		12 Times in a year			
				Patroli dan pengamanan areal Area safety patrol		12 Times in a year			
AREA NOT EFFECTIVE FOR PRODUCTION									
1	Genetic Resource Area	The Locals Activities	Ripping Period Observation	The amount of resulted seed	Genetic Resources Area (700 Ha)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
			Standing stock Inventory	Seed quality		Once a year			
				Area safety patrol		12 Times in a year			
2	Permanent Sample Plot	Farming	Area Selection	Area Border Maintenance	PSP Location Measured (693,27 Ha)	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL & BRIN
		Wood Cutting	Area Safety	tree diameter re-measuring		Once a year			
		Hunting	Founding and research	Tree Labelling		Once a year			
		Illegal Wood Cutting	Socio-eco-cultural	Additional warning boards		Once a year			
				Information		12 Times in a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
				session/Educating					
3.a	Protected Forest Corridor	The locals passing traffic	Protected Forest Safety	Traffic checking	Protected Forest Corridor (10,50 km)	Every day	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
			Vegetation Coverage	Flora and Fauna disturbance management		12 Times in a year			
			Animals Population	Additional warning boards		Once a year			
			River Water Quality	Information session/Educating		Once a year			
			Wasted emission impact	Area safety patrol		12 Times in a year			
			Erosion level and river debit						
			Pendapatan masyarakat Society Income						
3.b	Protected Forest Corridor based on ISO 14001 Environmental audit	The locals passing traffic	Protected Forest Safety	Traffic checking	Protected Forest Corridor (10,50 km)	Every day	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
			Vegetation Coverage	Area Safety Patrol		12 Times in a year			
			Animals Population	Additional Warning Boards		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
			Wasted emission impact	Passing Vehicles Monitoring		every day			
			Erosion level and river debit	Permanent Farming Establishment		Once a year			
4	High Value Conservation Area	Hunting	Flora Condition	Area Safety Patrol	High Value Conservation Area 19.006,81 Ha	12 Times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Shifting Cultivation Activities	Function of Ecology, hydrology and Forest	Biodiversity Inventory		Once a year			
		Illegal Wood Cutting	The locals Activities	Permanent Farming Establishment		1 x dalam 1 tahun			
			Society Income	Installation / Maintenance of Signboards and Prohibition / Warning Signs		Once a year			
				Information session/Educating		Once a year			
				Monitoring of Community Vehicles Entering and Leaving the Area EDL		Every day			
PHYSICAL CHEMISTRY									
1	Sifat Fisik Tanah Soil Physical Characteristic	Wood cutting	Government Regulation No. 150 of 2000 concerning Soil Damage Control	RIL Implementation	Log landing area (TPN), skid trails, logging blocks	12 Times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Road Construction		Sungkai Planting		Once a year			
		Transporting		Fast Growing Species		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
				Planting	(2024 Annual Work Plan/RKT), and the Bukit Beruang Protection Forest				
		Logged Over Area Reforestation		Plant Nurturing		Once a year			
				erosi Erosion trapping		12 times in a year			
2	Erosi Tanah Soil Erosion	Road Cosntruction	Government Regulation No. 150 of 2000 concerning Soil Damage Control	Road Specs Improvement/Completion	164 Titik (10 RKT dan 1 Virgin forest) Sepanjang jalan angkutan	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting		Terracing		12 times in a year			
		Transporting		Sediment trapping		12 times in a year			
		Logged Over Area Reforestation		erosi Erosion trapping		12 times in a year			
				Sungkai Planting		Once a year			
				Technical Worker Training		Once a year			
				RIL Implementation		12 times in a year			
				Enrichment/plantation		Once a year			
3	Sedimentation	Road Cosntruction	Signs of Sedimentation	RIL Implementation	Upstream and Downstream of Rivers	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting	Pendangkalan sungai River Shallowing	Pembuatan terasering Terracing		12 times in a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
		Transporting	Peraturan Pemerintah No. 38 Tahun 2011 Government Regulation No. 38 of 2011 concerning Rivers	Sediment trapping	within the PBPH Area (7 Monitoring Points) Along the Timber Haul Road	12 times in a year			
		Logged Over Area Reforestation	Government Regulation No. 37 of 2012 concerning Watershed Management	erosi Erosion trapping		12 times in a year			
				Construction and Maintenance of Drainage Channels		12 times in a year			
				Planting of Sungkai and Other Fast-Growing Species		Once a year			
4	River Discharge	Wood Cutting	Measurement of River Discharge Fluctuations	RIL Implementation	Upstream and Downstream of Rivers within the PBPH Area (7 Monitoring Points) Along the Timber Haul Road	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Kegiatan rehabilitasi bekas tebangan Logged Over Area Reforestation	Government Regulation No. 38 of 2011 concerning Rivers	Terracing		12 times in a year			
				erosi Erosion trapping		12 times in a year			
				Construction and Maintenance of Drainage Channels		12 times in a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
				Planting of Sungkai and Other Fast-Growing Species		Once a year			
				Installation / Maintenance of Water Sampling Location Signboards		Once a year			
5	Surface Water Quality	Wood Cutting	Government Regulation No. 22 of 2021 concerning the Implementation of Environmental Protection and Management	Terracing	Upstream and Downstream of Rivers within the PBPH Area (9 Monitoring Points)	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over Area Reforestation	Government Regulation No. 30 of 2024 concerning Water Resources Management	erosi Erosion trapping		12 times in a year			
		Camp Activities	PERMENLH No. 11 of 2025 concerning Wastewater Quality Standards and Wastewater Treatment Technology Standards for Domestic Wastewater)	Construction and Maintenance of Drainage Channels	IPAL Employee Housing	12 times in a year			
		Workshop Activities		Planting of Sungkai and Other Fast-Growing Species		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
				Additional boards for water sampling location	IPAL Workshop Km-97	Once a year			
				Domestic Water Waste Management Instalation		Once a year			
				Procedural IPAL Implementation		Every day			
				Wasted Water Debit and PH observation		Every day			
				Waterproof Sewerage towards IPAL		Once a year			
				Water quality lab test		12 times in a year			
				Wasted water re-use in workshop km 97		Every day			
BIOLOGY									
1	Vegetation Structure / Timber Potential	Wood Cutting	Field Observation of PUP/PSP	Installation / Maintenance of Signboards and Prohibition / Warning Signs	Logging Area	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over area Plantation	Species Affluence	RIL Implementation	Planting Area	Once a year			
			Species diversity	Enrichment Planting	Protected Area	Once a year			
			prevalent/spread	Plant Maintenance	Assisted	Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
					Village				
			Plant increment	Construction / Maintenance of Fire Watchtowers		Once a year			
				Flora and Fauna disturbance management		12 times in a year			
				Information session/Educating		Once a year			
				Area Safety Patrol		12 times in a year			
2	Wildlife Species Richness	Wood Cutting	Population Changing	Installation / Maintenance of Signboards and Prohibition / Warning Signs	Logging Area	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over area Plantation	Species Richness	Enrichment Planting	Planting Area	Once a year			
			Species Diversity	Plant Maintenance	Protected Area	Once a year			
			Species Evenness	Construction / Maintenance of Fire Watchtowers	Assisted Village	Once a year			
			Wildlife Habitat Conditions	Flora and Fauna disturbance management		12 times in a year			
				Information session/Educating		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
				Area Safety Patrol		12 times in a year			
3	Potensi Karbon Carbon Potential	Wood Cutting	Land Cover	Installation / Maintenance of Signboards and Prohibition / Warning Signs	Areal tebangan Logging Area	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over area Plantation	SILIN Plants	Employee Training (RIL)	Planting Area	Once a year			
				Enrichment Planting	Protected Area	Once a year			
				Plant Maintenance	Assisted Village	Once a year			
				Construction / Maintenance of Fire Watchtowers		Once a year			
				Flora and Fauna disturbance management		12 times in a year			
				Information session/Educating		Once a year			
				Area Safety Patrol		12 times in a year			
Socio-Socio-Cultural									
1	accessibility	Forest Road Construction	Land Transportation Easy access	Bypass road constructing and maintaining	Logging Area	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Project Transport activities	Roads availability	Road Signs Improvement	Planting Area	Once a year			
		Residents/dweller		Transport assist	Protected	12 times in			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
		s mobility			Area	a year			
					Assisted Village				
2	Farming System	Wood Cutting	Reduction in the Number of Cultivated Fields	Pemeliharaan demplot pertanian Agriculture Plot Maintenance	Assisted Village	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Community Activities	Reduction in the Area of New Farmland	Penyuluhan pertanian menetap (Permanent Agricultural Extension)		Once a year			
			Rehabilitation of Former Farmland	Pengadaan saprodi (Agri-aid Providing)		Once a year			
				Pengadaan tanaman jengkol dan kehidupan lainnya (Plant Providing		Once a year			
				Pendataan perladangan Farming Inventory		Once a year			
3	Employment Opportunities	Company Activities	Increased Employment Opportunities for Local Communities	Local Worker Recruitment	Assisted Village	According to Labor Requirements	PT. Erna Djuliawati	Disnaker Kab. Seruyan	SIMPEL & Disnaker Kab. Seruyan
		Community Activities		Worker Incentive					
				Worker Training/course					
4	Community Income	Locals Eco-Acts		Local Workforce Recruitment	Assisted Village	According to Labor Requirements	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
		Activities PBPH PT. Erna Djuliawati	Monitoring of Community Income Levels	Employee Incentives		Once a year			
				Non Timber quality Development		Once a year			
				Base Camp Food Providing		Once a year			
5	Community Attitudes Toward PBPH	Forest Area Development Activities	Positive and Negative Community Attitudes Toward PBPH	PMDH	Assisted Village	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting		Relationship establishment via Sosio-Cultural Development		Once a year			
		Construction of Access Roads		Religious facility and sport aids		Once a year			
		Activities PMDH		Prosperity aids		Once a year			
				Socio-cultural information brief/education		Once a year			
6	Business Opportunities	Opening Up of Forest Areas	Progress of Community Businesses in and Around Forest Areas	Fund aids	Assisted Village	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Construction of Access Roads to Villages		Development of Permanent Agriculture		Once a year			
				Cooperative Development		Once a year			
				Harvest Collecting		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
7	Social Health	Mobile Health centre	Number of patients	Health Service	Assisted Village	Once a year	PT. Erna Djuliawati	Dinkes Kab. Seruyan	SIMPEL
		Free medication	Social Health Awareness	Health Education		Once a year			
		Mass Khitanan		Health facilities providing		Once a year			
8	Community Education	Activities PMDH	Occuring Social problems	Teachers providing	Assisted Village	12 times in a year	PT. Erna Djuliawati	Dinas Pendidikan & Kedudayaan Kab. Seruyan	SIMPEL
		Extension Activities	Productive area disturbance level	Stationeries aids		Once a year			
				School Building		Once a year			
				Information facilities		Once a year			
				Bright students scholarship		Once a year			
				Education sharing		Once a year			
9	Social perspective towards FM	Information session/Educating	Emerging Social Issues	PMDH	Assisted Village	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Kemudahan transportasi Transportation Accessibility	Tingkat gangguan kawasan produksi Level of Disturbance in Production Areas	Building Good Relationships Through Socio-Cultural and Traditional Development		Once a year			
		Media massa Mass Media				Once a year			
				Socio-Economic and Cultural Outreach		Once a year			
				agroforestry		Once a year			
				Stock breeding and fishery		Once a year			
				Forest and natural resources conservation		Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
10	FM Contribution towards local area develpment	Forest Clearing	Local Area Income	Area development	Assisted Village	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logging	PSDH & DR Payment	Provision of Religious Facilities (Mosque, Church, Basarah House) Sports Facilities		Once a year			
		Fund Aids	PBB Payment	Local Own-source Revenue Rising		Four a year			
			vehicle tax						

Table 2. Environmental Observation Plan of PBPH PT. ERNA DJULIAWATI

Environmental Observation Plan of PBPH PT. ERNA DJULIAWATI Central Kalimantan Province

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
KAWASAN LINDUNG									
1	Protected Forest Buffer Zone	Workers and society passing activities	Protected Forest Buffer Zone (1.537,97 Ha)	Area Security Disturbances	Monitoring	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Vegetation Cover Condition	Flora and Fauna Inventory	Once a year			
				Workers and society characteristic	Questionnaire sharing	Once a year			
2	Riparian/River Banks	Local Communities and Employees in the Surrounding Area	197,73 Km Riparian/River Banks	Function of Climatology	Flora and Fauna Inventory	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Social and Economic Functions	Field Observation	Once a year			
				Farming System	Questionnaire sharing	Once a year			
				area Safety disturbance	Monitoring	12 times in a year			
3	Protected Water Resource Area	Local Communities and Employees in the Surrounding Area	Protected Water Resource Area) (120,52 Ha)	Area Security Disturbances	Monitoring	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Vegetation Cover Condition	Field Observation	Once a year			
				Workers and society characteristic	Lab Sampling and test	Two a year			
				Government Regulation No. 30 of 2024 concerning Water Resources Management					

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
4	Protected Wildlife Area	Local Communities and Employees in the Surrounding Area	Wildlife Refuge Area (899,43 Ha)	Wildlife Habitat Condition	Flora and Fauna Inventory	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Population Dynamics	Field Observation	Once a year			
				Species Affluence	Monitoring	Once a year			
				Species diversity	Evaluasi Evaluation	Once a year			
				Species prevalent/spread					
5	Germplasm Area	Local Communities and Employees in the Surrounding Area	Germplasm Area (650 Ha)	Location Accuracy	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Vegetation Coverage	Inventarisasi flora dan fauna Flora and Fauna Inventory	Once a year			
				Wildlife Presence	Monitoring	Once a year			
				Community Attitudes	Evaluation	Once a year			
				Disturbances within the Forest Area					
AREAL TIDK EFEKTIF UNTUK PRODUKSI									
1	Genetic Resource Area	Local Communities and Employees in the Surrounding Area	Genetic Resource Area (700 Ha)	Number of Seedlings Produced	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Seed quality	Flora and Fauna Inventory	Once a year			
				Disturbances within the Forest Area	Monitoring	12 times in a year			
					Evaluasi Evaluation	Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
2	Permanent Sample Plot	Local Communities and Employees in the Surrounding Area	Measured PUP locations (693,27 Ha)	Site Selection	On Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Tree Growth Rate	Tree Measuring	Once a year			
				Disturbances within the Forest Area	Monitoring	12 times in a year			
				Community Socio-Economic and Cultural Development and Research	Evaluation	Once a year			
3	Protected Forest Corridor based on ISO 14001 Environmental audit	Activities of Local Communities and Employees in the Surrounding Area	Protected Forest Corridor Road (10,50 km)	Disturbances within the Forest Area	Monitoring	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Flora and Fauna Conditions	Flora and Fauna Inventory	Once a year			
					Evaluasi Evaluation	Once a year			
4	High Value Conservation Area	Local Communities and Employees in the Surrounding Area	19.006,81 Ha High Value Conservation Area	Location Accuracy	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Keberadaaan Flora dan Fana Presence of Flora and Fauna	Inventarisasi flora dan fauna Flora and Fauna Inventory	Once a year			
				Community Attitudes	Data Collection Forms	Once a year			
				Degree of Forest Disturbance	Monitoring	12 times in a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
AREAL EFEKTIF UNTUK PRODUKSI									
A.	**FISIK KIMIA**								
1	Soil Physical Characteristic	Road Construction Activities	7 Log Landing Points (TPN), Skidding Roads, Logging Blocks (2024 Annual Work Plan/RKT), and Bukit Beruang Protection Forest.	Government Regulation No. 150 of 2000 concerning Control of Soil Degradation	Sampling by using ring method	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting			Lab Analyst by SUCOFINDO	Once a year			
		Transporting							
		Logged Over Area Reforestation							
2	Soil Erosion	Road Construction	164 points (10 RKT dan 1 Virgin forest)	Gov.Regulation Soil Destruction Management No.150 2000	Direct Observation by using STICK METHOD	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logging							
		Transporting	All the transportation route						
		Rehabilitation of logged-over areas							
3	Sedimentation	Road Cosntruction	Upstream and Downstream of Rivers within the PBPH Area (7 Monitoring Points) Along the Timber Haul Road	Muddy Indication	Water Sampling	Two a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting	Along the Logging Road	River Shallowing	SUCOFINDO TSS Analyst	Two a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
		Transporting		Government Regulation No. 38 of 2011					
		Logged Over Area Reforestation		Government Regulation No. 37 of 2012					
4	Debit Sungai	Road Cosntruction	Upstream and Downstream Sections of Rivers within the PBPH Area (7 Sampling Points)	Water Debit, Current speed and water surface height fluctuation	River Current speed, debit and cross section measuring by SPAS	12 times in a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting							
		Transporting							
		Logged Over Area Reforestation							
5	Surface Water Quality	Road Cosntruction	Upstream and Downstream Sections of Rivers within the PBPH Area (8 Sampling Points)	Government Regulation No. 22 of 2021	Upstream and downstream water sampling	Two a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting	IPAL Employee Housing	Government Regulation No. 30 of 2024	IPAL effluent water sampling	12 times in a year			
		Transporting	IPAL Workshop Km-97	PERMENLH No. 11 Tahun 2025	Water quality analysts based on the quality standart	Two a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
		Logged Over Area Reforestation			Managed Wasted water debit monitoring	Every day			
		Workshop Activities							
		Camp Activities							
B.	**BIOLOGI**								
1	Vegetation Structure / Timber Potential	Wood Cutting	Logging Area	Field Observation of PUP/PSP	Tree measurement using the line transect method	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over Area Reforestation	Planting Area	Species Affluence	Monitoring Tree Measuring by Line Transect Method	12 times in a year			
			Protected Area	Species diversity					
				Species prevalent/spread					
				Plant increment					
2	Wildlife Species Richness	Wood Cutting	Logging Area	Population Changing	Wildlife Inventory Using the Line Transect Method	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over Area Reforestation	Planting Area	Species Richness	Monitoring	12 times in a year			
			Protected Area	Species Diversity					
				Species Evenness					
				Wildlife Habitat Conditions					

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
3	Carbon Potential	Wood Cutting	Logging Area	Land Cover	Tree Measurement	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logged Over Area Reforestation	Planting Area	SILIN Plants	Vegetation Inventory	Once a year			
			Protected Area		Monitoring	12 times in a year			
C.	**SOSEKBUD**								
1	accessibility	Forest Road Project Transport activities	Assisted	Land Transportation Easy access	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
				Roads availability	Interview	Once a year			
		Residents/dwellers mobility Forest Road Construction							
		Project Transport activities							
2	Perladangan Farming System	Wood Cutting	Assited Village/Fostered Village	Reduction in the Number of Cultivated Fields	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Community Activities		Reduction in the Area of New Farmland	Interview	Once a year			
				Rehabilitation of Former Farmland	Data Tabulation	Once a year			
3	Employment Opportunities	Company Activities	Assited Village/Fostered Village	Increased Employment Opportunities for Local Communities	Field Observation	Once a year	PT. Erna Djuliawati	Disnaker Kab. Seruyan	SIMPEL
		Community Activities			Interview	Once a year			

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
4	Community Income	Economic Activities in Surrounding Villages and within the Forest Area	Assited Village/Fostered Village	Monitoring of Community Income Levels	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
					Interview	Once a year			
		Operational Activities of PBPH PT Erna Djuliawati			Data Tabulation	Once a year			
5	Community Attitudes Toward PBPH	Forest Area Development Activities	Assited Village/Fostered Village	Positive and Negative Community Attitudes Toward PBPH	Interview	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Wood Cutting			Data Tabulation	Once a year			
		Construction of Access Roads							
		Activities PMDH							
6	Peluang Berusaha Business Opportunities	Opening Up of Forest Areas	Assited Village/Fostered Village	Progress of Community Businesses in and Around Forest Areas	Field Observation	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Construction of Access Roads to Villages			Interview	Once a year			
					Data Tabulation	Once a year			
7	Social Health	Mobile Health centre Pengobatan gratis Free medication	Assited Village/Fostered Village	Number of patients	Field Observation	Once a year	PT. Erna Djuliawati	Dinkes Kab. Seruyan	SIMPEL
				Social Health Awareness	Interview	Once a year			
		Mass Khitanan			Data Tabulation	Once a year			
		Mobile Health							

No.	Impacts	Sources of impacts	Parameter	Management Acts	Location in details	Frequency	Environmental comittee		
							Executor	Inspector	Reporting
		centre							
8	Community Education	Activities PMDH	Assited Village/Fostered Village	Occuring Social problems	Pengamatan lapangan Field Observation	Once a year	PT. Erna Djuliawati	Dinas Pendidikan & Kedudayaan Kab. Seruyan	SIMPEL
		Extension Activities		Productive area disturbance level	Wawancara Interview	Once a year			
					Tabulasi data Data Tabulation	Once a year			
9	Social perspective towards FM	session/Educating	Assited Village/Fostered Village	Emerging Social Issues	Wawancara Interview	Once a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Transportation Accessibility		Level of Disturbance in Production Areas	Data Tabulation	Once a year			
		Mass Media							
10	FM Contribution towards local area develpment	Forest Clearing	Assited Village/Fostered Village	Regional Revenue Generation	Proof of Regional/State Revenue Payments	Four times a year	PT. Erna Djuliawati	Regency of Seruyan	SIMPEL
		Logging		PSDH & DR Payment	Data Tabulation	Two a year			
		Fund Aids		PBB Payment					
				vehicle tax					