

DETAIL PROGRAM of PROJECT BASED LEARNING
***“Project Based Learning on Environmental Study: Preservation and Economic Potential
The Case Study of Segara Anakan Mangrove Area, Cilacap, Central Java, Indonesia”***

No.	Date	Credit	Time	Activity	Place	Goals	Learning outcome	PIC
1.	Sunday 05/8/2018	0 hour	-	Pick-up overseas students and transfer (check-in) to dormitory/hotel	Airport – to Unsoed guest house/hotel, Purwokerto			Committee
2.	Monday 06/8/2018	8 hours	08.00-21.00	Opening Ceremony & Public Lecture	Unsoed Campus			Committee & FB
Rundown			08.00-09.00	Participants mobilization to the venue (Rectorate building 1 st floor) <i>Note: Participants of the public lecture are participants of PBL'18 (5 NLU students + 5 UNSOED students)</i>	UNSOED: Rectorate building 1 st floor			IC & FEB
			09.00-10.00	<ul style="list-style-type: none"> - Registration - Traditional dance - Opening by MC - Director of IRO welcome speech and Rector opening remark - Photo session at in front of Rectorate UNSOED building - Coffee break 				
			10.00-10.15	- Technical assistance		Understanding the theoretical background, Course Outline, Learning Outcomes, & Credit of PBL'18	Participants of PBL'18 understand about the background of the program	Dr. Condro
			10.15-10.45	- Transfer to Faculty of Biology				Committee
			10.45-12.00	Participants introduction: <ul style="list-style-type: none"> - Each participant is introducing their self to inform briefly about hometown (life, culture, food, 	UNSOED: Faculty of Biology 2 nd floor			FB

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				etc.), campus/study program/department. Committee explains about: - grouping - seminar kit distribution - Program and assessments					
			12.00-13.00	Break					
			13.00-15.00	Public Lecture: <i>'Ecosystem Sustainability and Management'</i> - Dr.rer.nat. Imam Widhiono		Understanding about <i>'Ecosystem Sustainability and Management'</i> - Sustainable ecosystems - Ecosystem goods and services - Problem and stresses to ecosystem - Management ecosystem	Participants of PBL'18 understand about Ecosystem Sustainability and Management		
			15.00-15.30	Break					
			15.30-17.30	Public Lecture: <i>'Mangrove ecosystem.'</i> - A professor from Nong Lam Univ		Understanding about mangrove ecosystem - A biological and ecological aspect of mangrove - Mangrove goods and services	Participants of PBL'18 understand about mangrove ecosystem and its potential uses for human livelihood and sustainable ecosystem		
			17.30-19.00	Transfer participant to hotel/dormitory		Hotel/Dormitory			Committee
			19.00-21.00 (Tentative)	Welcoming Dinner Participants of PBL '18 with University and FB top managers, teachers and committee		IRO office			Committee
			21.00-21.30	Transfer participant to hotel/dormitory		Hotel/Dormitory			Committee
			3.	Tuesday 07/8/2018		8 hours	07.00-17.30		Public Lecture & Group Discussion
Rundown			07.00-08.00	Transfer to Faculty of Biology	UNSOED:			Committee	
			08.00-10.00	Public Lecture: <i>'Mangrove change at Segara Anakan, Cilacap.'</i>	Faculty of Biology 2 nd floor	Understanding course materials include		FB	

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				- Dr.rer.nat. Erwin R Ardli		- mangrove benefits and its use, - status and condition of mangrove, - cause of mangrove damage		
			10.00-12.00	Public Lecture: <i>'Ecosystem monitoring and evaluation, case study Segara Anakan Mangrove ecosystem.'</i> - Dr.rer.nat. Moh Husein Sastranegara		Analyzing how to monitor and evaluate mangrove ecosystem, case study mangrove Segara Anakan Cilacap	Participant could analyze and evaluate the mangrove condition base on the lecture	
			12.00-13.00	Break				
			13.00-15.00	Public Lecture: <i>'Mangrove management, case study mangrove in Vietnam'</i> - A professor from Nong Lam Univ		Understanding the course material about mangrove management in Vietnam	Participant understand the management mangrove in some country and could compare it with mangrove in their home country.	
			15.00-15.30	Break				
			15.30-17.30	Group Discussion: Dr. Erwin R Ardli and Prof from NLU		Write a summary of the learning material. With specific topic relevant to a public lecture.	- Students learn to identify the problems that can arise from the ecosystem - To analyze how to solve the problems - Students have experience that works as a team	
4.	Wednesday 08/8/2018	8 hours	06.30-22.00	BIPA class and Study Excursion: cultural visit (Museum Wayang Banyumas) and travel to Cilacap	Visit traditional puppet show Museum at Banyumas and visit mangrove Cilacap			Committee & FB
Rundown			07.30-08.00	Preparation for the class of Bahasa Indonesia for a foreigner	IRO office			Committee

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			08.00-11.30	- BIPA class	IRO office	- Students know Bahasa Indonesia, in simple conversation	- The student has an introductory to Bahasa Indonesia	Committee & BIPA team	
			11.30-12.30	Break					
			12.30-13.00	Preparation for all participants (Unsoed and international students)					Committee
			13.00-16.00	- Travel to Banyumas - Visit Museum Wayang Banyumas	Museum Wayang Banyumas	To learn some Indonesian traditional art and culture			Committee
			16.00-18.00	- Travel to Cilacap					Committee
			18.00-21.00	- Check in Hotel - Technical meeting and evaluation - Dinner	Fave Hotel Cilacap				Committee
5.	Thursday 09/8/2018	8 hours	06.00-21.30	Segara Anakan Visit	Segara Anakan			Committee	
Rundown			06.00-08.00	Preparation	Fave Hotel Cilacap	Understanding mangrove ecosystem and its resources and problems, directly from the field		Committee	
			08.00-12.00	Travel to mangrove ecosystem Field survey	Segara Anakan, Cilacap			Committee & FB	
			12.00-13.30	Break					
			13.30-15.20	Group discussion					
			15.20-17.00	Travel back to Cilacap city					
			17.00-21.30	Group discussion	Fave Hotel Cilacap				
6.	Friday 10/8/2018	8 Jam	08.00-21.00	Presentasi hasil pengamatan di Sagara Anakan	Sagara Anakan			Committee & FB	
Rundown			08.00-09.00	Preparation	Cilacap Government office/Fave Hotel Cilacap	Presenting the result of group discussion with stakeholders (local government, NGO, industry)		Committee	
			09.00-12.00	Presentation with stakeholders (local government, NGO, industry)					
			12.00-13.30	Break					
			13.30-17.00	Presentation with stakeholders (local government, NGO, industry)					
			17.00-19.00	Break					
			19.00-21.00	Cultural exchange night					
			21.00-06.00	Rest					
7.	Saturday 11/8/2018	8 hours	06.00-16.00	Closing Ceremony	UNSOED Campus			Committee and FB	
Rundown			07.00-09.30	Travel to Unsoed Purwokerto					
			09.30-10.00	Preparation for the closing ceremony	UNSOED:			Committee	

No.	Date	Credit	Time	Activity	Place	Goals	Learning outcome	PIC
			10.00-12.00	Closing ceremony: - Group report submission - Farewell party: souvenir exchange (announce to participants to provide simple gift) - Closing remarks: committee report, sharing experiences from each participant, closing remark by WR IV UNSOED	Rectorate building 1 st floor			Committee and FB
8.	Sunday 12/8/2018	0 hour	-	Check out travel to airport	UNSOED's Dormitory – to Airport			Committee

Total credit of the program: **6 days x 8 hours = 48 hours (3 credits) include preparation, class and field program, assignments and report.**

Targeted participant:

- Biology
- Environmental studies
- Fisheries and Marine Science
- Forestry
- Agriculture