



Introduction

This proceeding is the publication of papers presented on the Tourism an Events International Seminar (TEIS) held by Tourism Department Bali, State Polytechnic, Indonesia on the 9-10 November 2016, participated by a total of 120 participants from 11 countries: France, Australia, Singapore, Ukraina, Slovakia, Serbia, Hungry, Thailand, Poland, Fiji and Indonesia. TEIS in 2016 highlights the issue of 'Implementing Green and Sustainable Tourism'. The seminar presents four keynote speakers who discuss the issue of sustainable tourism from different perspective. The first Keynote speaker is Professor David Weaver from Griffith Business School, Gold Coast, QLD, Australia, presenting the topic 'Green and Sustainable Mass and Alternative Tourism'. The second keynote speaker is Dr. K. Thirumaran, a Senior Lecturer from James Cook University Singapore (JCU Singapore), presenting the topic 'Green & Sustainable Businesses Practices in Tourism'. Mrs Ni Wayan Giri Adnyani, the Secretary to Deputy of International Tourism Marketing, Ministry of Tourism, Indonesia, presents the topic 'Green and Sustainable Tourism: A Government Policy'. Lastly, Prof. Dr. Emilienne Baneth Nouailhetas - Attachée for Educational Cooperation, Embassy of France in Indonesia presents the topic: 'Green and Sustainable Tourists'. There is a total of 28 papers presented which are listed on the Seminar Rundown and the full papers are presented in this proceeding.

The seminar has been successfully held with the support of Bali State Polytechnic and Tourism Department – Politeknik Negeri Bali (PNB), the sponsors particularly Wonderful Indonesia of the Ministry of Tourism, the dedication of the seminar working committee and others that couldn't be mentioned one by one. Nonetheless, having a saying – *Tiada gading yang tak retak*, the seminar organizer requests for an apology for unintentional mistakes that might happen during preparation and the event, and hopes to perform better in future TEIS.

Jimbaran, November 2016

TEIS Committee

Seminar Rundown 2016 Program - Tourism and Events International Seminar **Tourism Department, State Polytechnic of Bali** Venue: Widya Guna Hall, Kampus Politeknik Negeri Bali, Bukit Jimbaran, Badung, Bali

No	Time	Agenda		
Day	1 - 9 November 2	016		
1	08.30 - 09.00	Registration/Morning coffee		
2	09.00 - 09.15	Welcome dance		
	09.15 - 09.40	Speeches:		
3		1. The head of Committee		
		2. The director of Bali State Po	olytechnic	
Panel	1, Moderator: Ni Ma	Moderator: Ni Made Ernawati, PhD		
4	09.40 - 10.25	1 st Keynote: Professor David Weaver - Griffith Business School,		
		Gold Coast, QLD, Australia		
		'Green and Sustainable Mass and A		
5	10.25 - 11.10	2 nd Keynote: Dr. K. Thirumaran		
		University Singapore (JCU Singapore		
-		'Green & Sustainable Businesses Pr	ractices in Tourism'	
	2, Moderator: Dr. I H			
6	11.10 - 11.55	3 rd Keynote: Ibu Ni Wayan Giri A		
		International Tourism Marketing, Ir		
7	11.55 – 12.40	'Green and Sustainable Tourism: A Government Policy' 4 th Keynote: Prof. Dr. Emilienne Baneth Nouailhetas - Atache for		
/	11.55 - 12.40	Educational Cooperation, Embassy		
		'Green and Sustainable Tourists'	or trance in indonesia	
8	12.40 - 13.40	Lunch break		
Pres	sentation Session	Seminar Hall 1 - Widya Guna	Seminar Hall 2 - Widya Graha	
resentation session		Green/Sustainable Tourism Discourses	Praxis of Green/Sustainable Tourism	
		Moderator: Dr. I Gede Mudana	Moderator: Dr. N. G. N. Suci Murni	
9	13.40 - 14.05	Kadek Ratih Dwi Oktarini -	I Ketut Astawa - Indonesia	
		Singapore	Title: Adding Attractions, Night	
		Title: Preliminary Conversation Analytic (CA) Study on Complaint	Life Spots, and Food Street	
		Sequence in Service Encounter and	Vendors to Nusa Dua Tourism	
		Possible CA Contribution to Social	Resort, Bali	
		Sustainable Business Practice		
10	14.05 - 14.30	Ni Made Eka Mahadewi -	A.A. Harmini - Indonesia	
		Indonesia	Title: Nusa Lembongan	
		Online Promotion to Bali as a	Potential as a Green Tourist	
		Digital Tourist Destination	Destination	
11	14.30 - 14.55	Putu Diah Sastri Pitanatri -	I Ketut Budarma - Indonesia	
		Indonesia	Title: The Impact of Green	
		Title: Collaborating and	Campus on Tourism	
		Connecting: The Sharing	Sustainable Business Practice	
		Economy in Creating Local	"A Case study of sustainable	
		Business Sustainability in Bali	campus management in	
			Ontario, Canada"	

12	14.55 - 15.30	Coffee break	
13	15.30 - 15.55	Ni Nyoman Triyuni - Indonesia	NDM Santi Diwyarthi -
		Rural Tourism: The Role of	Indonesia
		Shopping Facilities to Sustain	Title: Community Participation
		Rural Activities	Towards Development of
			Kutuh Village as Destination
14	15.55 - 16.20	Made Darma Oka - Indonesia	I Ketut Surata - Indonesia
		Title: The Role of Balinese	Title: The Attributes of
		Women Working on Cruise Ships	Sustainable Tourism Resource
			Viewed from The
			Tourists'Perspective: A Case Study of Tourist Villages in
			Karangasem
Dor	10 November	2016	Karangasem
Day .	2 - 10 November		Seminer Hell 2 Widge Creeke
Droc	sentation Session	Seminar Hall 1 - Widya Guna Green/Sustainable Tourism	Seminar Hall 2 - Widya Graha Praxis of Green/Sustainable
rres	sentation Session	Discourses	Tourism
		Moderator:	Moderator:
		Drs. Dewa Made Suria Antara, M.Par.	Ni Nyoman Sri Astuti, SST.Par. M.Par.
1	09.00 - 09.25	I Gusti Made Wendri - Indonesia	I Gede Mudana - Indonesia
		Title: Symbolic Labelling of	Title: The Right of the Local
		Various Types of Balinese	People of Batur Tengah Village
		massage techniques Applied in	in the Development of Cultural
		Spa	Tourism in Region Kintamani,
			Bali
2	09.25 - 09.50	Nyoman Dini Andiani - Indonesia	Ni Made Ernawati - Indonesia
		Title: An Alternative Tourism	Title: Attributes Quality of
		Education for Group Travel	Nusa Dua Tourist Resort in
		Consciousness	Bali, Indonesia: A Study of
3	09.50 - 10.15	I Nengah Wijaya - Indonesia	Tourist' Perceptions Ni Putu Eka Trisdayanti -
5	09.30 - 10.13	Title: Marketing Strategy in	Indonesia
		Efforts to Increase Volume	Title: Traditional Packaging on
		Tourism Product Sales Through	Balinese Food Support the
		Media Advertising in the Province	Green Tourism
		of Bali	
4	10.15 - 10.45	Coffee break	
		Moderator: A.A. Harmini	Moderator: Ni Made Rai
			Sukmawati
5	10.45 - 11.10	Nana Trianasari - Indonesia	Ni Gst Nym Suci Murni -
		Title: Linking the Tri Hita Karana	Indonesia
		Concept and CSR Activities: A	Title: The Impact of Green
		Case Study on the Environmental	Tourism and THK Award on
		Aspect at Alila Uluwatu Bali	Social Environment at Five Star
			Hotel In Nusa Dua Tourism
	11.10 11.25		Area
6	11.10 - 11.35	Elijah Peceli Dau - Fiji Titla: Implementing Sustainable	Nyoman Mastiani Nadra - Indonesia
		Title: Implementing Sustainable	Indonesia Title: Green ville: Ensuring the
		Tourism: Marine Tourism in Fiji	Title: Green villa: Ensuring the

			Sustainability of Villa Industry
			in Seminyak Village
7	11.35 - 12.00	I Ketut Irianto - Indonesia	Ni Nyoman Sri Astuti -
		Title: Threat of Trash to the	Indonesia
		Environmental Supporting	Title: Transportation and
		Tourism in Benoa Mangrove	Accommodation Model for
		Forest, Badung, Bali	Backpacker: Supporting
			Community Based Tourism
8	12.00 - 13.00	Lunch	
		Moderator: Dewa Made	Moderator: Ni Nyoman Sri
		Suria Antara	Astuti
9	13.00 - 13.25	Fanni Maraczi - Hungry	Ni Made Rai Sukmawati -
		Title: Sustainable Tourism in	Indonesia
		China through the Example of	Title: Bali Become the
		Hangzhou	Epicentrum of the World
			Culture Forum in International
			Folk Dance Festival (IFDF) to
			Support Sustainable Tourism
10	13.25 - 13.50	Ni Nyoman Aryaningsih -	Maksym Lepokhin - Ukraina
		Indonesia	Title: West Bali Coast Cycle
		Title: Business Competence	Path Development to Support
		Based on Ecotourism in Creating	Green Tourism: Based on the
		Community Income	Wales Coast Path
11	13.50 - 14.15	Ni Wayan Wahyu Astuti -	Gede Ginaya - Indonesia Title:
		Indonesia	Ni Putu Rista, a Fourth Years
		Title: "Subak" the Balinese	Pupil at an Elementary School
		Traditional Irigation System	Is Capable in Mastering
		Could Inspired the World to	21 Foreign Languages Because
		Support Sustainable Tourism	She Wants to Support
			Sustainable Tourism
12	14.15 - 15.15	Supporting Session – Hall 1:	
		'International Journal Writing'	
		by	
		Professor David Weaver	
10	15.15	Moderator: Drs. I Wayan Jendra, M.Ed. Admin	
13	15.15 -	Closing – Widya Padma Hall - for all participants	
		Selat segara dance	
		Closing speech – Bali State Polytechnic Director	
		Best presenter of Seminar Hall 1 and Hall 2 Certificate distribution Entertainment & Dining	
		Certificate distribution, Entertainment & Dining	

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THREAT OF TRASH TO ENVIRONMENT AL TOURISM IN AREA MANGROVE FOREST.

| Ketut Irianto

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Abstract

Condition of mangrove forests that belong to the forest Prapat RTK 10 Badung Benoa Denpasar with an area of approximately 1373.50 hectares very need to be maintained continuity. The shift in the use of such value: activities shrimp ponds, landfills, waste dumps, construction of tourism accommodation facilities, estuary, will be able to threaten the integrity of forest land. A total of 15 kinds of development activities showed the existence of mangrove forest will be thinned or experience degradation as much as 412.27 hectares, so the remaining approximately 961.23 hectares. Additionally the activity of either human or animal life will issue a solid waste material. This waste will occur continuously and will accumulate around the environment. Wastewater and solid waste, especially plastic waste would threaten aquatic ecosystems during the rainy season and flooding all the material will be carried over to the mangrove forest. Mangrove forest on the development of sustainability development is quite alarming in terms of quantity about 30% of the breadth has been degraded by garbage. For that we need the community's concern and utilizing garbage management and spatial planning so that development should pay attention to the environment.

Key words: botanical forest park, tourism, environment, degradation

I. INTRODUCTION

All the activities of either human or animal life will issue a solid waste material. This waste will occur continuously, and will accumulate around the environment. Concern for reuse rubbish bas not been done. Public awareness of the environmental impact resulting loss itself has not much to know. The worst impacts are felt their downstream areas that will be the final shelter, especially when it rains / flooding, hence the existence of waste can threaten the extinction of aquatic animals will also provide loss or threat to human life, among others, is the impact on groundwater quality, estitika environment and human health.

Condition of mangrove forests including forest groups Prapat Benoa RTK 10 Badung Denpasar with an area of approximately 1373.50 hectares very need to be maintained continuity. Mangrove forests have physical function indirectly plays a role stabilizing coastal waters, protect the shoreline against abrasion. resist and depositing silt and pollutants. prevent sea water intrusion. Organic ingredients produced in the form of litter, leaves, flowers, fruit, twigs and branches, some are food sources of marine life and some will decompose into nutrients are utilized for the survival of mangrove itself so that mangrove forests can thrive. In general, mangroves are often found in areas quiet choppy and muddy ground. Mangrove

forests thri e fly like a wildlife habitat of water birds and bats. Beside that is the habitat of reptiles such as crocodiles, lizards and species of insects. Other functions as a producer of a wide variety of fish crabs, animals, shrimp and other Public expectations surrounding fishermen so that ecosystems in the mangrove forest as natural potential designate as resources а conservation area, as set forth in Law No. 5 of 1990 on the conservation of natural and ecosystems through (\mathbf{I}) resources life support systems; (2)protection preservation of diversity of plants and ecosystems; animals and their (3)sustainable use of natural resources and ecosystems.

Shifting alues Tahura utilization of protected areas into ecotourism region will be able to threaten the integrity of forest land. The impact of a shift *in* the alue of area utilization forest park based on the Minister of Forestry No. 885 / KPTS-H / 1992 forest area RTK 10 is converted to the Nature Park Prapat Benoa Sm ung that the layout area of Tahura highly positioned as a center for business growth and tourism in Bali and has the potential of natural scenery as an ecotourism area.

II. RESEARCH METHODS

The research location is situated RTK 10 mangrove forest area is geographically located at 42 S $^{\circ}$ 42 $^{\scriptscriptstyle \perp}$ 49 S $^{\circ}$ LS and 115 $^{\circ}$ 09 '- L55 o 14' BT. Mangrove forest area is located in two of the administratively districts districts are northern South Kuta Denpasar and District Regency Badung regency of Bali province. Primary data was collected by conducting a survey to the field is by observing the condition of the physical environment, biological, social and cultural and development activities in the

field, the damage of mangrove forests and interviex s, ith farmers who are the region's fishermen.

III. RESULTS AND DISCUSSION

Physical environmental conditions Relatively flat topography thoroughly and strongly influenced by the tide with a height of 0-3 meters abo e sea level. The soil type consists of a kind of allu ial hidromorf and brown mediterranean drained poorly this formation formed by alluvial was sedimentary rocks v ith a type of rock steps and coral reefs. This region is the estuary of the river Ngenjuang Punggawan, Buii. Sama Nangka, Dead, Bunpeg and river Whitening. Judging from the climate this region including climate tiple E (Schmidt and Ferguson), ith a ratio of 1 to 1.67 months of wet and dry. Classified into types of wet tropical climate with two distinct seasons. With an average annual rainfall of about 1647 mm with 138 rainy days. The rainy season lasts from October to April v ith an a erage monthly temperature 26 5oC and the a erage monthly relative air humidity of 79.3% with an average wind speed of 2.6 m / sec. The average length of approximately 79.7% annual irradiation intensity of solar radiation is 307.3 W/m3.

Type waste material.

Water pollutants can be generally classified as shos n in Figure 1. Not all waters contain contaminants that equal or contaminants.



Figure L Types of Domestic Waste

Table 1 Classification of Air Pollutants

Type Pollutants	II Influence	
Microscopic Elements	Health Aquatic Biota	
Compounds Metal Organ	Tranpor Metal	
Inorganic Pollutants	Toxicity Aquatic Biota	
Asbestas	Human Health	
Hara-Algae	Entrofication	
Radionuclides	Toxicity	
Acidity, Alkalinity High Salinity	Water Quality Aquatic Life	
Microscopic Organic Pollutants	Toxicity	
Pesticide	Toxicity, Aquatic Biota, Wildlife	
PCB	Human Health	
Carsinogen	Cause Cancer	
Waste Oil	Wildlife Aesthetic	
Pathogens	Health	
Detergents	Introfication Aesthetic '	
Sediment	Water Quality Aesthetic	
Taste, Smell, And Color	Aesthetic	

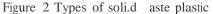
Differences debit of water during the rainy season and the dry is ery striking, but a puddle of water in the estuary is relatively constant due to the influence of the tide. At the time of the flood a small tributary carrying waste material such as soil debris, chemicals, detergents oils foodstuffs (Table. 1) from the south Denpasar to the northern part of the bay. The great rivers including river Dead, Bunpeg and Punggawa flow throughout the year with the highest flow occurs in January through March occurred during the rainy season. ph or kaasaman sea water at low tides ranged from 8.0 to 8.5 , hereas at high tide around 7.2 to 7.7. Salinity of sea water at high tide receded $20\% \sim 32\%$ and at high tide around 12.5%-30%.

Threats plastic waste to the aquatic animals.

The impact of plastic on the environment is a negative result that must be borne by nature because of the presence of plastic waste since it is not derived from biological compounds. , stic has the difficult nature of degraded (non-biodegradable). Plastic is estimated to take 100 to 500 years until it (decomposed) decomposes perfectly. Material plastics maker, (generally polymer polyviny 1) made of polichihlorinated biphenyl (PCB) which has a structure similar to DDT can cause impacts include: (1) The pollution of soil, groundwater and

underground creatures; (2) Toxic toxins from plastics particles that enter the soil win kill the animals decomposers in the soil such as worms: (3) PCB tidk biodegradable although ingested by animals and plants \setminus ill be toxic heavy (4) Loi ering soil fertility due to plastic also impede air circulation land: (5) A rising silting river so will cause flooding.





The results of the analysis of egetation, at the level of occupied trees occupied by three types of plants are dominated by Sonneratia alba v ith important values (NP= 186.34%)., as wen as at the level of the pole occupied by 6 types of plants are dominated by Sonneratia alba (NP= 64.87%) while on the stake level occupied. by five species of plants are dominated by Rhizophora apieulata (NP = 103.32%) as wef] as at the level of seedling occupied by five species of plants that are dominated by Rhizophora apiculata (NP= 104.47°/o),

The total number of species that occupy these mangrove forest area by 22 species are grouped into two kinds namely the mangro e and mangro e plant group associations. From the results of the inventory of animals have found a wide variety of types such as birds, reptiles, insects crabs, shrimps snails and fish.

Impact on ociety

Piles of garbage overload can invite flies, the growth of micro-organisms - organisms that harm, pollute the air soil and water. Spreading diseases such as diarrhea, cholera and typhoid garbage eyesore. The high volume of waste is very tightly coupled to changes in use types such as building hotels, shopping malls. restaurants tourist attractions. Based on observations in the field and extensive calculations in the area use this time as many as 15 kinds of development acti ities showed the existence of mangro e forest will be thinned or to experience as much as 412.27 hectares the remammg degradation SO that approximately 961.23 hectares. Reduction of mangrove forest area will increase again when the utilization of approximately 10% utilization zone is as much as 44.5 per hectare that , ill remain approximately 916 73 hectares. This damage will greatly affect the mangrove forest ecosystem Prapat Benoa RTK 10. The area of the development plan Tahura obtained as many as 15 kinds of which a permit has been issued either by the

Minister of Forestry and Forestry Director General and Board Intag but the reality on the ground is very worrying because the lack monitoring of local government of Communities around the region, such as the village of Benoa and Serangan village some stiH retain their original shape as the beach fishermen catch fish using nets and boats and fishing equipment. While villagers Bualu adjacent to the crowded center, the tourism area around Nusa Dua such as shops hotels they have restaurants etc. sv itched professions and businesses а chance to grab dollars with various types of activities such as selling souvenirs, opening small kiosks to sen small plants, drinks,

Data collection and information about the state of the environment Prapat Benoa RTK region 10 can provide a clear picture of how the close relationship between the en ironmental components of the component of physical biological social, and cultural, which is a unique economic ecosystem so the need. to maintain continuity. In physical terms, namely geophysical chemistry is one of the factors in life support systems in addition to the flora, fauna which will affect human existence especially directly adjacent to the area. Preserving the di ersity of flora and fauna and its ecosystem, including human and physical factors of climate and soil that will support or sustain life. Ecological processes which contain life that need to be maintained protected. The second element of the of natural resources conservation and ecosystems: the protection of life support systems and the preservation of diversity of plants and animals and their ecosystems v ill be able to sur i e in a sustainable manner if the use of natural resources and ecosystems conducted with sustainable use. So the concept of conservation of natural resources and

ecosystems can be fulfilled as set out in Article 5 of Law KH 1990.

III. CONCLUSIONS

An area of mangrove forests to the development of sustainability development is quite alarming in terms of quantity about 30% of the breadth has been degraded. Waste plastic and liquid domestic waste greatly affect the arious habitats of marine flora and fauna damage Protection of resources and ecosystems natural and community care will save mangrove forests Prapat Benoa

Suggestion

It needs serious monitoring of the de elopment projects either already running or running in order to damage or pollution can be resolved. The need for close superv ision of those authorities to the limits of mangroxe forest area that is currently being implemented. rapid de elopment coincident with the area of mangrove forests.

Acknowledgements

Thank awfully to the organizing committee of the international seminar of Bali State Polytechnic or tourism department has given an opportunity to present topics related to the impact and benefits Tahura region as ecotourism. Hopefully this article useful for readers dear.

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