

CURRICULUM VITAE



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Education :

Level	Year	Major Fields	Institution
Bachelor	1988-1993	Dept. Geophysics and Meteorology, Environmental Meteorology.	ITB, Indonesia
Magister	1995-1998	Dept: Development Studies, Environmental Studies.	ITB, Indonesia
Doctorate	2000-2004	Dept: Geosciences, Climate Change.	Max Planck Institute for Meteorology/ University of Hamburg, Germany

Research Experience:

1. Name of assignment	Risk Screening For Palm Oil, Coffee (Arabica dan Robusta), and Cocoa in West Papua Province that Accounts for the Potential Impacts of Climate Change
Year	2015
Location	West Papua
Client	Conservation International (CI) Indonesia - USAID
Main project features	<ul style="list-style-type: none"> - Analysis of potential GHG reduction from the green economic development - policy framework and contextual information for agriculture expansion in West Papua, - modeling of crop suitability for Cocoa, Coffee (Arabica and Robusta) and Palm Oil for recent and under future climate changes scenarios, - identification of broad scale risk profiles, green economic opportunities and strategic training and capacity building for government and key stakeholders for agricultural expansion of Cocoa, Coffee (Arabica and Robusta) and Palm Oil in West Papua
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Conduct analysis of potential green economic opportunities that aim to reduce GHG emissions

	<ul style="list-style-type: none"> - Start-up workshop and Focus Group Discussion (FGD) - Value chain analysis activities - Analysis of current climate and build future climate projection - Analysis of Spatial Planning on Agriculture, crop and biophysical land suitability - Ensure low risk by considering conservation value, human wellbeing, and biophysically suitable - Spatial Planning on Formulating the Optimum Scenario - Sustainable Development Training and workshop
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2. Name of assignment	Flood Early Warning Early Action System For Bengawan Solo Watershed
Year	2015
Location	Central Java – East Java
Client	Palang Merah Indonesia, International Federation of Red Cross and Red Crescent Societies
Main project features	<ul style="list-style-type: none"> - Hourly weather prediction in Bengawan Solo during 3 next days. - 10-day rainfall prediction model on Bengawan Solo for 5 years ahead in 17 districts and 3 cities around Bengawan Solo watershed. - Hourly and 10-day flood prediction - Information system on Bengawan Solo watershed which user-friendly, very useful, and benefit to all sectors via website, android application, sms gateway. - Adaptive capacity of community and stakeholders in Bengawan Solo watershed for early warning system
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Development of hourly weather prediction using Water Research and Forecast (WRF) - Development of 10-day rainfall model using Smart Climate Model (SCM) on Bengawan Solo watershed area. - Development of couple WRF-Watershed Modelling System (WMS) model and SCM-Watershed Modelling System (WMS) model for Bengawan Solo watershed flood model. - Develop website interface portal, android application, and SMS Gateway for Floods Early Warning System. - Construct the integrated flood early warning information system (<i>Early warning Early Action</i>).

3. Name of assignment	Development of planting map information system for agricultural activities planning in inramayu to increase the agricultural productivity
Year	2015
Location	Indramayu
Client	Institut Teknologi Bandung – Society Services Program
Main project features	<ul style="list-style-type: none"> - Validation of rainfall prediction result - Validation of paddy planting season prediction result
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Validate Rainfall and paddy planting season prediction results in Indramayu

	- Focus Group Discussion
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4. Name of assignment	Development and Implementation of Paddy Planting Time Information System with High Resolution and Accuracy, and The Prediction of Climate-Related Disaster Potency to support the Agricultural Productivity in Indramayu District
Year	2015
Location	Indramayu
Client	Ministry of Research and Technology Republic of Indonesia, Diretores General of Higher Education, Local Planning and Development Agency of Indramayu and Cianjur
Main project features	<ul style="list-style-type: none"> - Validation using R-Square, R-Skill and RMSE - Prediction of 10 days scale paddy planting time prediction - Determination type of seeds - Time prediction for land cultivation and seeding - Mapping for 10 days scale of rainfall prediction - Mapping for 10 days scale of paddy planting time prediction - Analysis of flood disaster potency - Analysis of drought disaster potency
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Site visit to Indramayu - Focus Group Discussion to gain planting time information - Development of smart climate model in 10 days scale - Build database for smart climate model and input of rainfall data - Running the smart climate model for each station (20 stations) - Validating using R-Square, R-Skill and RMSE - Determine the 10 days rainfall threshold to planting time prediction - Predict the 10 days paddy planting time - Determine the type of seeds - Predict the time to land cultivation and seedings - Mapping the 10 days rainfall prediction - Mapping the 10 days scale paddy planting time prediction - Analysis of flood disaster potency - Analysis of drought disaster potency - Workshop 1: Dissemination of model prediction result

5. Name of assignment	Rainfall Prediction studies for Disaster Risk Reduction in Nusa Tenggara
Year	2015
Location	West Lombok, East Lombok, Central Lombok, Dompu, Bima, East Sumba
Client	World Neighbors, USAID
Main project features	<ul style="list-style-type: none"> - Rainfall prediction map in each districts - Paddy and Palawija planting time prediction in each districts - Results of verification and validation in each districts - Disaster related to climate prediction in each districts - Report of rainfall and planting time pattern model in each districts

Position held	Climatology Consultant
Activities performed	<ul style="list-style-type: none"> - Develop the rainfall prediction map in each districts - Develop the paddy and palawija planting time prediction in each districts - Verify and validate the rainfall and planting time predictions result in each districts - Develop the disaster related to climate prediction in each districts - Reporting the prediction in each districts in each districts

6. Name of assignment	Development of Rainfall Projection Interface Website in Ende District, East Nusa Tenggara
Year	2015
Location	Ende, East Nusa Tenggara
Client	Institute for Rural Technology Development (LPTP), Karitas Indonesia
Main project features	<ul style="list-style-type: none"> - Monthly rainfall projection on Ende from 2014 until 2019. - Monthly paddy and palawija projection on Ende from 2014 until 2019 - Climate disaster (flood, drought, landslide, pest and disease spread) potency warning until 2019 - Information system based on website, Android application and SMS gateway
Position held	Climatology Consultant
Activities performed	<ul style="list-style-type: none"> - Development of monthly rainfall model using Smart Climate Model (SCM) on Ende area. - Planting season mapping based on rainfall availability for paddy and palawija on Ende area. - Disaster potency analyses by analyzing rainfall pattern change on Ende area - Website, Android apps, and SMS gateway development to provide the model and analyses result for public.

7. Name of assignment	Development of Paddy Planting Time Information System Using Google Maps Technology
Year	2015
Location	Indramayu
Client	Directore General of Higher Education, Local Planning and Development Agency of Indramayu and Cianjur
Main project features	<ul style="list-style-type: none"> - Develop the spatial information system interfac for planting time dinamically as online using google maps technology (year-1) - Develop the interactive interface system in form of feedback coloum for user (farmer and extention (year 1))
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Collecting data - Focus Group Discussion - Analysis historical data - Running the climate model - Building the server database design - Building the google maps interface google maps in web

	<ul style="list-style-type: none"> - Website trial - Develop the online feedback - Trial the whole interface - Writing the final report
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8. Name of assignment	Climate Smart Model for Planting Calender and Climate Related Disaster.
Year	2012 - 2014
Location	Indramayu, Cianjur
Client	Winrock International, USAID, Local Planning and Development Agency of Indramayu and Cianjur
Main project features	<ul style="list-style-type: none"> - Climate Smartc Model for weather and climate projection with high resolution - Dasarian Prediction of rainfall in Indramayu and Cianjur - Dasarian Prediction paddy planting time in Indramayu and Cianjur - Estimation of potential climate disaster in Indramayu and Cianjur - Gender issue on climate change adaptation in agriculture sector - Estimation of economic and social impact of climate smart model implementation
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Building smart climate model in dasarian scale for projecting rainfall and temperature in Indramayu and Cianjur - Developing planting calender information system in Indramayu with high resolution - Focus Group Discussion, Seminar and Workshop in Indramayu - Capacity building for farmers and local disaster management agency

9. Name of assignment	Economic assessment of climate change impact on agriculture in Indramayu, West Java
Year	2012 - 2014
Location	Indramayu
Client	Winrock International, USAID, Local Planning and Development Agency of Indramayu and Cianjur
Main project features	<ul style="list-style-type: none"> - Acknowledge the assessment of causing the failure in planting and harvest - Define the main factor for paddy production in Indramayu - Analysis the the damage and loss due to climate change in agriculture - Counting the cost for agriculture production process, including the cost related to water availability - Counting the economical benefit from implementing the planting season information system
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Survey and interview to farmers - Focus Group Discussion, Seminar and Workshop in Indramayu - Capacity building for farmers and local disaster management agency

10. Name of assignment	PMI Greater Jakarta Urban Disaster Risk Reduction Project: Activities in Vulnerability Assessment of Climate Change Impact along the Ciliwung River Flowing through Bogor, Depok, and North Jakarta
Year	November 2012 – Februari 2014
Location	Bogor, Depok, Jakarta
Client	PMI, AMCROSS
Main project features	<ul style="list-style-type: none"> - Projection of climate change impact in Ciliwung river - Adaptation option to solve the problem of climate change impact in Ciliwung river
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in Jakarta, Bogor and Depok - Developing maps of climate vulnerability in Jakarta, Bogor and Depok - Developing adaptation option in Bogor, Depok and Jakarta

11. Name of assignment	PMI Greater Jakarta Urban Disaster Risk Reduction Project: Development of Sea Level Rise Projection in North Jakarta
Year	November 2012 – Februari 2014
Location	Bogor, Depok, Jakarta
Client	PMI, AMCROSS
Main project features	<ul style="list-style-type: none"> - Projection of sea level rise in North Jakarta to 2100 - Economic impact assessment of sea level rise to 2100 - Evelopment of adaptation option and it cost
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Building sea level rise projection model for projecting sea level in North jakarta - Developing maps of vulnerability in North Jakarta - Developing adaptation option in North Jakarta

12. Name of assignment	Software Application on Map of High Resolution Planting Calendar for Supporting Rice Productivity in Indramayu
Year	March 2012 – December 2013
Location	Indramayu
Client	Ministry of Research and Technology of Republic Indonesia
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall in Indramayu - Prediction paddy planting time in Indramayu - Prediction palawija planting time in Indramayu - Estimation of potential disaster in Indramayu
Position held	Team leader

Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in Indramayu - Developing planting calendar information system in Indramayu - Focus Group Discussion and Workshop in Indramayu
13. Name of assignment	A Development of Day-Period Climate Model Prediction with High Resolution and Accuracy for Determining the Planting Rice in Indramayu
Year	2014
Location	Indramayu
Client	Ministry of Education of Republic Indonesia, National Strategy Program
Main project features	<ul style="list-style-type: none"> - Dasarian Prediction of rainfall in Indramayu - Dasarian Prediction paddy planting time in Indramayu - Dasarian Prediction palawija planting time in Indramayu - Estimation of potential climate disaster in Indramayu
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Building climate model in dasarian scale for projecting rainfall and temperature in Indramayu - Developing planting calendar information system in Indramayu - Focus Group Discussion, Seminar and Workshop in Indramayu - Capacity building for farmers and local disaster management agency

14. Name of assignment	A development of rainfall model projection to determine the agricultural planting time and the potency of climate disaster and diseases in TTS, TTU, Nagekeo NTT
Year	2014
Location	NTT
Client	Yayasan Mitra Tani Mandiri, Local Government of TTS, TTU & Nagekeo
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall and temperature in month period - Prediction paddy and palawija planting time in month period for 5 years ahead - List and description of climate-related disaster - List and description of climate-related diseases
Position held	Climatology consultant
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in TTS, TTU, Nagekeo - Developing planting calendar information system in TTS, TTU, Nagekeo - Focus Group Discussion and Workshop in TTS, TTU, Nagekeo - Analyze the potency of climate-related disaster in TTS, TTU, Nagekeo - Analyze the potency of climate-related diseases in TTS, TTU, Nagekeo

15. Name of assignment	A development of climate model projection to determine the agricultural planting time and the potency of climate disaster in Ende District, NTT
Year	November 2013 – June 2014
Location	NTT
Client	Institute for Rural Technology Development (LPTP), Local Government of Ende
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall and temperature in month period - Prediction paddy and palawija planting time in month period for 5 years ahead - List and description of climate-related disaster - List and description of climate-related diseases
Position held	Climatology consultant
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in Ende - Developing planting calendar information system in Ende - Focus Group Discussion and Workshop in Ende - Analyze the potency of climate-related disaster in Ende

16. Name of assignment	A development of climate model projection to determine the agricultural planting time and the potency of climate disaster in Sikka District, NTT
Year	2014
Location	NTT
Client	Karina-KWI (Bishop's Convergence of Indonesia), Local Government of Sikka
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall and temperature in month period, in village-based - Prediction of sea level rise in year scale - Prediction of paddy planting time based on rainfall projection - Strategy suggestion for reducing the risk disaster
Position held	Climatology consultant
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in Sikka - Developing the sea level rise prediction in Sikka - Focus Group Discussion and Workshop in Sikka - Analyze the potency of climate-related disaster in analyze the appropriate plant types

17. Name of assignment	A development of sea level rise model projection to determine the potency of climate disaster in Sikka District, NTT
Year	2014
Location	NTT
Client	Karina-KWI (Bishop's Convergence of Indonesia), Local Government of Sikka
Main project features	<ul style="list-style-type: none"> - Prediction of sea level rise in year scale - Prediction of the potency of climate disaster - Strategy suggestion for reducing the risk disaster
Position held	Climatology consultant
Activities performed	<ul style="list-style-type: none"> - Developing the sea level rise prediction in Sikka

	<ul style="list-style-type: none"> - Focus Group Discussion and Workshop in Sikka - Analyze the potency of climate-related disaster
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18. Name of assignment	Integration of strategic environmental assessments (SEA) and low-emission development strategies (LEDS) into spatial and development plans in USAID IFACS target landscapes
Year	April 2013 – present
Location	Katingan, Palangkaraya, Melawi, Ketapang, Pulang Pisau and Kayong Utara
Client	PT. URS Indonesia, USAID, IFACS
Main project features	The project that integrated climate change, sustainable forest management, and low carbon emissions development program. The project designed to reduce deforestation rates and green house gasses (GHG) emissions in target sites on three islands
Position held	LEDS (The Low Emission Development Strategy) Expert
Activities performed	<ul style="list-style-type: none"> - Material preparation on sustainable development concept and low emission development strategy as an input for training modules - Act as fasilitator and/or resource person in training/workshop - Contribute to the SEA development and its scoping process - Develop LEDS and financial needs assessment report - Coordinate with SEA and Spatial Planning expert to integrate the SEA and LEDS into spatial & reporting

19. Name of assignment	Model of Rice and Palawija Planting Time Determination for Adaptation to Climate Change in Belu District, East Nusa Tenggara Province
Year	2013
Location	Belu, NTT
Client	Ministry of Agriculture of Republic Indonesia
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall in Belu District - Prediction paddy planting time in Belu District - Prediction palawija planting time in Belu District - Estimation of potential disaster in Belu District
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in Belu District - Developing planting calender information system in Belu District - Focus Group Discussion and Workshop in Belu District

20. Name of assignment	Assessment of Rainfall Projection in 5 Next Years and Adjustment of Planting Pattern in Dry Land of Sumba Timur
Year	March 2013 – May 2013
Location	Sumba Timur

Client	World Neighbors
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall in Sumba Timur - Prediction paddy planting time in Sumba Timur - Prediction palawija planting time in Sumba Timur - Estimation of potential disaster in Sumba Timur
Position held	Consultant
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in Sumba Timur - Developing planting calendar information system in Sumba Timur

21. Name of assignment	Pre-Study on Wind Energy Potency in three locations in Indonesia
Year	2012 - 2014
Location	Banten, Lampung, Kalimantan
Client	PT. Pertamina (Persero)
Main project features	<ul style="list-style-type: none"> - Supplying measurement tower and sensor - Installation of Automatic Weather Station (AWS) and GSM package (transferred data) - Monitoring AWS and location
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Surveying the location for AWS Installation - Installing AWS and GSM Package - Analysis on meteorological data - Analysis the potency of wind energy

22. Name of assignment	Development of ICT for Rice Planting Time Prediction in West Java
Year	2012
Location	West Java
Client	Ministry of Education of Republic Indonesia, MP3EI Program
Main project features	<ul style="list-style-type: none"> - Prediction of rainfall in West Java - Prediction paddy planting time in West Java - Prediction palawija planting time in West Java - Estimation of potential disaster in West Java
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Building climate model for projecting rainfall and temperature in West java - Developing planting calendar information system in West java - Focus Group Discussion and Workshop in West Java

23. Name of assignment	Participatory Research on Climate Change Vulnerability in East Nusa Tenggara
Year	August 2011 – April 2012
Location	East Nusa Tenggara
Client	PLAN Indonesia and AIFDR, Australia
Main project features	<ul style="list-style-type: none"> - Development of climate change vulnerable in East Nusa Tenggara - Development of adaptation option for local

	development
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Climate change model and adaptive capacity model - Projection of climate change impact - Adaptation option to reduce disaster related climate change

24. Name of assignment	Participatory Research on Climate Change Vulnerability in East Nusa Tenggara
Year	August 2011 – April 2012
Location	East Nusa Tenggara
Client	PLAN Indonesia and AIFDR, Australia
Main project features	<ul style="list-style-type: none"> - Development of climate change vulnerable in East Nusa Tenggara - Development of adaptation option for local development
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Climate change model and adaptive capacity model - Projection of climate change impact - Adaptation option to reduce disaster related climate change

25. Name of assignment	Joint Development of a Knowledge Center on Solar Energy
Year	2011-2014
Location	Indonesia
Client	INDF
Main project features	A cooperation between University of Twente and Institut teknologi bandung in : (i) comparison on solar PV technology vs. Other renewable energy options and fossil fuel based electricity and potential within infrastructures at Indonesian islands; (ii) To build a solar power system installation and operation in Indonesia; (iii) new curriculum on solar energy based on 3TU master sustainable energy technology in Institut Teknologi Bandung.
Position held	Principal investigator
Activities performed	<ul style="list-style-type: none"> - Photovoltaic power system installation on Jayapura Local Government's building - New curriculum on ITB Master Program about renewable energy

26. Name of assignment	Jakarta Extreme Flood in 2007
Year	January,2009 – November, 2009
Location	North Jakarta, Indonesia
Client	EEPSEA Canada
Main project features	Assessment of Flood responses in 2007
Position held	Principal Investigator
Activities performed	<ul style="list-style-type: none"> - To identify how many households/communities are influenced by climate change (Jakarta's flood 2007) - To identify what structures in community that influenced by climate change (Jakarta's flood 2007) - To determine how households/communities have

	<p>deal with climate change (Jakarta's flood 2007)</p> <ul style="list-style-type: none"> - To determine the factors affecting the households/communities adaptive choices - To assess the current adaptive behavior level due to climate change (Jakarta's flood 2007) - The analysis was using STATA software
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27. Name of assignment	Global Climate Change Phenomenon and Its Implication in Indonesia's Food Security
Year	April, 2008 – November, 2008
Location	Indonesia
Client	Ministry of Agriculture, Republic of Indonesia
Main project features	Projection of agriculture production in the future Analysis of climate parameters affecting to agriculture production
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Build model to projection of agriculture production - Analysis on climate parameters affecting to agriculture production and adaptation development

28. Name of assignment	Climate Change Modeling with Non-Linier Least Square and Fast Fourier Transform Methods
Year	January, 2008 – November, 2008
Location	Indonesia
Client	Institut Teknologi Bandung (ITB Bandung)
Main project features	Climate Model in high resolution
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Build model climate parameters using two methods combined

29. Name of assignment	Assessment of Climate Change Adaptation for Water Resources Management in Jakarta.
Year	January, 2009 – November, 2009
Location	Jakarta
Client	Institut Teknologi Bandung (ITB Bandung)
Main project features	Map of water reserve projection in Jakarta
Position held	Team leader
Activities performed	Assessing the extent to which climate change impacts on changes in soil water availability in Jakarta, which can be seen from the factor

30. Name of assignment	High Resolution Map projection of Seasonal and Climate Change for Food Security in Indonesia.
Year	January, 2009 – November, 2010
Location	West Java, Central Java, East Java
Client	Ministry of Research and Technology, Republic of Indonesia
Main project features	<ul style="list-style-type: none"> - Climate Modeling with high resolution - Map of climate projection for paddy planting time
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - To develop model projections of climate change in seasons and high resolution (accuracy of 1 km) are spatially to determine the early days of planting rice.

	<ul style="list-style-type: none"> - Predicting extreme weather events in the area of rice production center. - To develop a guideline in the adaptation or farming systems in the determination or early planting of rice in order to the vulnerability of the Indonesian agricultural sector to climate change. - Establish a system of season and climate projections in the central regions of Indonesia's rice production.
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31. Name of assignment	Adaptive Behavior Assessment Base on Climate Change Event: Jakarta's Flood 2007
Year	January,2009 – August, 2010
Location	North of Jakarta
Client	EEPSEA, IDRC CANADA
Main project features	<ul style="list-style-type: none"> - Analysis of climate change impact on community structures - The households/communities adaptive choices
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - To identify how many households/communities are influenced by climate change (Jakarta's flood 2007) - To identify what structures in community that influenced by climate change (Jakarta's flood 2007) - To determine how households/communities have deal with climate change (Jakarta's flood 2007) - To determine the factors affecting the households/communities adaptive choices - To assess the current adaptive behavior level due to climate change (Jakarta's flood 2007)

32. Name of assignment	Prediction of Paddy Planting Based in Climate Model Using New Fast Fourier Transform Method
Year	2009
Location	West Java
Client	PERHIMPI
Main project features	<ul style="list-style-type: none"> - <i>Software of climate model</i> - Prediction of Rainfall in West Java - Map of Paddy Planting Period in West Java
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Assessing impact of climate change in west java - Assessing local wisdom in West Java - Estimating scientific adaptation to be penetrated in West Java

33. Name of assignment	Assessment of natural disaster in West Java.
Year	January, 2007 – December, 2007
Location	West Java
Client	Balitbangda West Java
Main project features	Analysis of potential for natural disaster in West Java
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Assessing disasters potential occurred - Estimating magnitude of natural disasters - Assessing policy on environmental management for handling natural disasters

34. Name of assignment	Assessment of Citarum river, basin management as implication of climate change.
Year	January 2007 – November 2007
Location	West Java
Client	WWF Indonesia
Main project features	Spatial maps (scale space) and temporal (time scale) and data Citarum watershed condition
Position held	Team leader
Activities performed	<ul style="list-style-type: none"> - Analyzing issues related to meteorological variables on climate change, i.e. Temperature and rainfall. - Assessing water availability and use of meteorological variables (temperature and rainfall) and produce maps and spatial data describing the condition of the river as the implications of climate change. - Inserting the climate change issues into corporate management planning river, so it can produce a scientific document as a basis for policy and adaptation efforts for decision-makers and governments. - Analyzing the potential flooding and landslides from the slope of the soil map and land use.

35. Name of assignment	Economic and financial assessment of renewable energy in Indonesia.
Year	January, 2007 – November 2007
Location	Indonesia
Client	ITB
Main project features	Potency of renewable energy particularly for wind and biomass energy
Position held	Principal investigator
Activities performed	<ul style="list-style-type: none"> - Assessing on development of national energy - Assessing new and renewable energy potential to develop in Indonesia - Assessing CER potential from emission permits sale - Formulating framework of development policy on new and renewable energy

36. Name of assignment	Enhancement of Global Carbon Sequestration from Indonesia Tropical Forest.
Year	March 2007 – December 2011
Location	Palangkaraya
Client	ITB and Islamic Development Bank (IDB)
Main project features	<ul style="list-style-type: none"> - Map of climate projection in Indonesia based on reforestation scenarios - Projection of carbon sequestration
Position held	Principal Investigator
Activities performed	<ul style="list-style-type: none"> - To demonstrate the existing rate & location of deforestation in Indonesia & its impacts on climate condition. - To demonstrate the benefit of carbon sequestration from Indonesian-wide reforestation on lessening the negative impacts of climate change. - To develop the “blue print” of a reforestation company in which the main business line is planning & managing reforestation program.

	<ul style="list-style-type: none"> - To implement the reforestation program in selected priorities regions - To extend the implementation of reforestation program to other parts of Indonesia
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37. Name of assignment	Assessment of Renewable Energy Potential for Clean Development Mechanism (CDM) and Sustainable Development.
Year	January, 2007 – December, 2008
Location	Indonesia
Client	Ministry of Research and Technology, Indonesia
Main project features	Map of CDM projection in Indonesia, Map of renewable energy potency in Indonesia
Position held	Team Leader
Activities performed	<ul style="list-style-type: none"> - Assessing the development of renewable energy technologies economically appropriate and in accordance with Indonesia. - To conduct studies on various aspects of national energy development to get a picture of the future condition of energy supply. - Know the location of information and development of potential energy in Indonesia. - Assessing the potential of certified emission reduction (CER) from the sale of emission permits. - Determine the effect of CDM projects on the national economy

Language(s) :

Indonesian	English	German	Arabic
<i>Native</i>	Fluent	Good	Basic

Scholarship & Awards :

Name	Source	Year
Himpunan Ahli Geofisika Indonesia (HAGI) Award 2015 for category "Young & Bright Contribution on Geophysics". The Joint Convention Balikpapan (JCB) 2015 HAGI-IAGI-IAFMI-IATMI,	Himpunan Ahli Geofisika Indonesia (HAGI)	2015
Best Presenter in XII Engineering Conference on Oil and Gas, Cross Sector of Oil and Gas,	Lemigas	2015

Innovation Performance Award of Institut Teknologi Bandung (ITB)	ITB	2015
Sustainable Engineering Award	PII	2009
TMPD (Tim Manajemen Program Doktor)	Ministry of Education	1995-1998
Deutshcer Akademischer Austausch Dienst (German Academic Exchange Service)	DAAD, Germany	2000-2004
Promotionsstipendium, Max-Planck-Gesellschaft	Germany	2004

Professional Experience:

From 2014	To Present
Employer	Indonesian Disaster Expert Association (IABI)
Position Held	Co-Chair of Working Group Extreme Weather
From 2014	To Present
Employer	Department of Meteorology ITB
Position Held	Head of Department
From 2011	To Present
Employer	Environmental Management Agency of DKI Jakarta
Position Held	Resource person for climate change expert
From 2011	To Present
Employer	Local Planning and Development Agency of DKI Jakarta
Position Held	Resource person for climate change expert
From 2011	To Present
Employer	Institut Teknologi Bandung
Position	Head of Applied Meteorology
From Sep 2011	To Nov 2011
Employer	Consultant for National Planning and Development Agency
Position	Special Staff for Deputy of Natural Resources and Environment
From 2008	To Present
Employer	National Council on Climate Change
Position	Vice Chair of Working Group Adaptation (official)
From 2008	To Present
Employer	National Council on Climate Change
Position	Climate Change Adaptation Specialist
From 2007	To Present
Employer	National Council on Climate Change of Indonesia
Positions Held	Indonesia permanent negotiator for international climate change conference
From 2007	To 2009
Employer	Department of Meteorology, ITB
Position	Head of Department
From 2007	To 2008
Employer	Ministry of Environment of Republic of Indonesia
Positions Held	Project Manager of Second National Communication, Indonesia for UNFCCC Report
From 2007	To 2007
Employer	National Development and Planning Agency
Position Held	Team leader of Contry National Report on Environmental Analysis,

	Indonesia, National Planning and Development Agency
From 2006	To 2006
Employer	Osaka University, Osaka, Japan
Positions Held	Guest Lecturer
From 2000	To 2004
Employer	Max Planck Institute for Meteorology , Hamburg, Germany
Positions Held	Guest Researcher
From 2001	To 2002
Employer	Hamburg University of Applied Sciences, Hamburg, Germany
Positions Held	Guest Lecturer
From 1995	To Present
Employer	Department of Meteorology, Institut Teknologi Bandung, Indonesia
Positions Held	Lecturer and Researcher
From 1995	To 1998
Employer	PT. Rekananda Nuansa Pratama, Bandung, Indonesia
Positions Held	Marketing Manager
From 1993	To 1995
Employer	PT. Rekananda Nuansa Pratama, Bandung, Indonesia
Positions Held	Operational Manager

Activities and Memberships

Chairmans

1. General election in Hamburg (Ketua KPPSLN, Hamburg), (2004)
2. Secretary of Accreditation Team for Post Graduate Program of Oceanography and Sciences Atmosphere (2005- present)
3. Environmental Meteorology Laboratory, Institut Teknologi Bandung (1998 - 2000)
4. Indonesian Specialist and Academician Association in Germany (IASI, Jerman) (2001 - 2003)
5. Education Unit in the Institut Teknologi Bandung (1999 - 2000)

Memberships

1. Indonesian Association of Agricultural Meteorology (PERHIMPI), 2013 - To Present
2. Policy Team for Faculty of Earth Sciences and Mineral Technology, FIKTM ITB (2005 - present)
3. Cooperation Team for Managing Agency of Oil and Gas (BP MIGAS), FIKTM ITB (2005 - present)
4. Team for Strategic Planning for Faculty of Earth Sciences and Mineral technology, FIKTM ITB (2005 - present)
5. Team for Strategic Planning for Department of Geophysics and Meteorology, FIKTM ITB (2005 - present)
6. Coordination Team in the Department of Geophysics and Meteorology, FIKTM ITB (2005 - present)
7. American Geophysical Union (2003 - present)
8. The Indonesian Association of Geophysicist (HAGI) (2000 - present)
9. Indonesian Specialist and Academician Association in Germany (2001 - present)
10. Secretariat of Forum Rector Indonesia (1998 - 2000)

Job Experience in Abroad :

Country

Germany
 Netherland
 USA
 Italy
 Japan
 England
 Sweden
 South Korea
 Thailand
 Cambodia

Lecturer for Courses:

Program	Subject
<i>Bachelor</i>	1. Climate Policy 2. Climate Change 3. Meteorology Collocium 4. Wind and Solar Energy 5. Selection Capita 6. Earth Sciences and Technology
<i>S2</i>	1. Special Topic 2. Science of Atmosphere
<i>S3</i>	1. Climate Change and Policy

Computer skill:

Operation System	Program Language	Packet
Windows XP, Windows 7, Linux/Unix	GAMS, FORTRAN	Microsoft Office, Adobe, Corel

Resource Person for Environmental and Climate Change Topics:

Newspaper	TV	Radio
KOMPAS, PIKIRAN RAKYAT, Media Indonesia, Koran Sindo, Koran TEMPO, RADAR Bandung, GALA Media, The Jakarta Post, Herald Tribune International, Republika.	ANTV, Metro TV, CNN, TVRI, Al-Jazeera International, Astro TV, RCTI, TPI, Trans 7, TVOne, TransTV, SCTV.	Female, Elshinta, Hard Rock FM, Mara, Utan Kayu, Radio Australia. Radio BBC.

Campaign Experience

Year	Title	Media
2014	Armi Susandi. We Only Have One Atmosphere/ <i>Kita Hanya Punya Satu Atmosfer</i> ".	Article on Geo Resonansi Magazine- Majalah Profesi Himpunan Ahli Gefisika Indonesia Edisi 3 / April 2014
2014	Armi Susandi. How can we maintain the cleanness? And Why We Have to Plant the Vegetation around the House?/ <i>Bagaimana Caranya Agar Kita Semua Menjaga</i>	Articles in "Kid Questioning, Expert Replies"/Anak Bertanya

	<i>Kebersihan? & Mengapa Kita Diharuskan Menanam Tumbuhan di Sekitar Rumah?</i>	Pakar Menjawab - 1A' Book, Edited By Hendra Gunawan, Common Room Networks foundation Publishing.
2013	Pursuing Hope TV Program : Climate Change Mitigation and Adaptation/ <i>Program TV Meniti Harapan : Mitigasi dan Adaptasi Perubahan Iklim.</i>	Speaker on DAAI TV
2013	Armi Susandi. Climate Change and Emission Reduction/ <i>Perubahan Iklim dan Pengurangan Emisi.</i>	Articles on Pikiran Rakyat Newspaper. 14 Januari 2013
2012	Armi Susandi. Climate Change Anticipation : One Step, Two Benefits/ <i>Antisipasi Perubahan Iklim: Satu Langkah, Dua Manfaat.</i>	Article on Serasi Magazine - Media Komunikasi Lingkungan. Edisi 4/2013, ISSN 2338-9869
2010	Jakarta Indonesia : Terrible Flooding From Climate Change & Global Warming, EEPSEA Project.	Speaker in Network News Today (UNTV)
2009	Living a More Convenient Life/ <i>Hidup yang Lebih Nyaman.</i>	Resource Person on National Council on Climate Change (DNPI) Film for Climate Change Campaign

Publication :

Years	Title	Journal/Prosiding
2015	Armi Susandi, Mamad Tamamadin, Bramudya Rifki Mukti, Dida Abdillah Fajrin, Lisa Rosanty. High Resolution Weather and Climate Information System to Support Operation in the Oil and Gas Industry/ <i>Sistem Informasi Cuaca dan Iklim Resolusi Tinggi untuk Menunjang Kegiatan Operasional dalam Industri Migas</i>	Diskusi Ilmiah ke XII/Konferensi Teknologi Minyak dan Gas Bumi, "Inovasi dan Implementasi Teknologi Migas untuk Percepatan Kedaulatan Energi". Lemigas. Jakarta, 11 Juni 2015.
2015	Bramudya Rifki Mukti, Armi Susandi, Mamad Tamamadin, Dida Abdillah Fajrin. Potential Landslide Prone-Area Mapping in West Nusa Tenggara Province Based on Geographic Information System/ <i>Pemetaan Potensi Daerah Rawan Longsor di Provinsi Nusa Tenggara Barat Berbasis Sistem Informasi Geografi</i>	2nd Annual Science Meeting. 2015 Disaster Research. Yogyakarta, 26 – 28 Mei 2015
2015	Armi Susandi, Mamad Tamamadin, Bramudya Rifki Mukti, Dida Abdillah Fajrin. Flood Vulnerability Projection Map at North Lombok District/ <i>Peta Proyeksi Kerentanan Banjir di Kabupaten Lombok</i>	2nd Annual Science Meeting. 2015 Disaster Research. Yogyakarta, 26 – 28 Mei 2015.

Utara

2015	Armi Susandi. Disaster Risk Reduction Experiences in Indonesia using Smart Climate Model.	The first International Conference on Disaster Reduction. Suwon City, South Korea, May 8-9, 2015
2015	Armi Susandi, Saut Sagala, Mamad Tamamadin, Dodon. Climate Vulnerability in the Area of Jakarta, Depok and Bogor.	The 5th International Conference of Jabodetabek Study Forum "Sustainable Megacities : Vulnerability, Diversity and Livability". Bogor, 16-18 March 2015.
2015	Armi Susandi, Mamad Tamamadin. Potency of Climate-Related Disasters in the Area of Jakarta, Bogor, and Depok Based on the Rainfall Prediction.	The 5th International Conference of Jabodetabek Study Forum "Sustainable Megacities : Vulnerability, Diversity and Livability". Bogor, 16-18 March 2015
2015	Mamad Tamamadin, Armi Susandi, Bramudya Rifki Mukti, Dida Abdillah Fajrin. Spatial Analysis of Drought Index for Planting Failure Anticipation in Indramayu District/ <i>Analisis Spasial Indeks Kekeringan untuk Antisipasi Kegagalan Tanam di Kabupaten Indramayu.</i>	International Seminar "Peranan Geografi Dalam Mendukung Ketahanan Pangan" Bogor, 7th April 2015.
2015	Armi Susandi, Mamad Tamamadin, Bramudya Rifki Mukti, Dida Abdillah Fajrin. The Development of Water Availability Prediction in Irigation Paddy Field in Indramayu District/ <i>Pengembangan Prediksi Ketersediaan Air di Sawah Irigasi Kabupaten Indramayu.</i>	International Seminar "Peranan Geografi Dalam Mendukung Ketahanan Pangan" Bogor, 7th April 2015.
2014	Armi Susandi, Erizal Jamal, Irsal Las, Mamad Tamamadin: Implementation of Information System on the Planting Time Prediction Based on Climate Modelling.	International Journal on Advanced Science Engineering Information Technology; Vol. 4 (2014) No.3. ISSN: 2088-5334
2014	Development of Climate Information System In Dasarian Scale for Rice Planting Planning in Indramayu. Armi Susandi ¹ , Mamad Tamamadin ² , Irsal Las ³ , Erizal Jamal ⁴	Seminar Ilmiah Nasional X, Penelitian Masalah lingkungan di Indonesia 2014, IATPI
2014	Comparative Test Between Ten-days and Monthly Climate Model Using Fourier Non-Linier Approach to Determine Planting Time	PERTETA-HIPI National Seminar, 11 November 2014, Bandung
2014	Online Database System for Agricultural Information Development	PERTETA-HIPI National Seminar, 11 November 2014, Bandung
2014	Implementation of Information System on the Planting Time Prediction Based on Climate Modelling. Armi Susandi ¹ , Mamad Tamamadin ² , Irsal Las ³ , Erizal Jamal ⁴	SAFE Network 2014 International Conference, Sustainable Agriculture, Food and Energy

2013	Susandi, A., (2013) Stochastic Climate Model for Implementation in Rice Planting Planning.	HAGI-IAGI Joint Convention Medan, 20 October 2013, Indonesia.
2013	Susandi, A. (2013) A Model of Rice and Palawija (Second Crop) Planting Time Determination in Belu District, Nusa Tenggara Timur	Science of Atmosfer Seminar, National Institute of Aeronautics and Space, 28 Agustus 2013, Indonesia
2013	Susandi, A. (2013) Development of High resolution Planting Calendar Map to Increase of Rice Productivity in Indramayu.	Second International Conference on Greenworld in Business and Technology. University of Ahmad Dahlan, March 2013, Indonesia
2013	Susandi, A., Djamal, E., Las, I., Tamamadin, M., Surmaini, E., (2013). Development of High Resolution Planting Calendar Map to Increase of Rice Productivity in Indramayu.	Proceedings of The 2nd International Conference On Green World in Business and Technology, Published by UAS Press, 2013.
2012	Susandi, A. (2012) Climate Modeling for Determining Time To Paddy Planting in West Java.	The Fourth International Conference on Mathematics and Natural Sciences (ICMNS) 2012. 8-9 November 2012. Indonesia.
2012	Adaptasi Perubahan Iklim dan Bencana Terhadap Ketahanan Pangan dalam Rangka Pencapaian Target Surplus Beras 10 Juta Ton Tahun 2014	Jakarta, 20 Maret 2012, Seminar Sehari MHI.
2012	Adaptive Behavior on Climate Change Event: Jakarta's Flood in 2007.	LAP Lambert Academic Publishing, 2012
2012	Evaluation of Fast-Fourier Transform Climate Model Method for Paddy Planting Time Determination.	Journal of Tropical Environment Vol. 6 No. 1 Pg. 121-129, Indonesia, 2012
2012	Collaborative Process in Planing Adaptation based on climate vulnerability and adaptive capacity models,	3rd Conference of the International Society for Integrated Disaster Risk Management, Beijing, China. 2012
2012	Susandi, A., Tamamadin, M., Evaluation of Climate Modeling using Fast Fourier Transform Methods for Determining Rice Planting Time, National Scientific Conference of the 8 th Environmental Problem Researches in Indonesia	UGM, Yogyakarta, 12 July 2012
2012	Susandi, A., Tamamadin, M., Climate Change Modeling for Reducing Risk of Planting Failing in West Java,	National Scientific Conference of the 8 th Environmental Problem Researches in Indonesia, UGM, Yogyakarta, 12 July 2012
2010	Susandi A., Tamamadin M., Climate Modeling for Determining Time to Paddy Planting in East Java,	International Conference on Food Safety and Food Security, Yogyakarta, 1 st -4 th December 2010
2009	Susandi, A., M. Tamamadin., J. Wiratmo., "Climate	Proceedings of the 34 th

	Modeling for Determining Period of Paddy Planting in West Java",	HAGI Annual Meeting, Sheraton Hotel, Jogjakarta, 10-12 November 2009.
2009	Water Resource Projection in Jakarta as Impact of Global Climate Change.	Journal of Tropical Environment, Special Edition, Indonesia. 2009
2009	Programming Application for Climate Modelling Using Non-Linear Least Square and Fast Fourier Transform Method	Journal of Tropical Environment, Special Edition, Pg. 131-138. Indonesia. 2009
2009	Susandi A., Tamamadin M., Farhamsa D. Wiratmo, Projection Map of Climate Change with High Resolution for National Food Security,	Proceeding of International Conference on Energy and the Environment: Reinvention for Developing Countries. Bandung, 15 th -20 th June 2009
2008	Biodiesel Energy Development in Indonesia	Jurnal Energi Internasional
2008	Potential Area For Solar Energy Generator And Its Benefit To Clean Development Mechanism (CDM) In Indonesia	International Symposium on Equatorial Monsoon System, BMKG
2007	Emisi Karbon dan Potensi CDM dari Sektor Energi dan Kehutanan Indonesia	Jurnal Teknik Lingkungan, ISSN 0854 - 1957, October 2007
2007	Proyeksi SO ₂ di Indonesia sebagai Implikasi Perubahan Iklim Global: Dampak dan Biaya Kesehatan	Jurnal Teknik Lingkungan, Volume 12 No. 1 April 2007
2006	<i>Potensi Energi Angin di Indonesia untuk Pengembangan Keberlanjutan Energi</i>	International Conference on Mathematics and Natural Sciences (ICMNS), Bandung, Indonesia, November 29-30, 2006
2006	The Impact of International Climate Policy to Energy Development in Indonesia	National Seminar on Climate Change and Environment in Indonesia, Bandung, 9 November 2006
2006	<i>Energi Terbarukan di Indonesia dan Pengurangan Emsisi CO₂</i>	Seminar on the Active Geosphere KAGI, 20 November 2006, Bandung
2006	Indonesian Biodiesel Potential and Mitigating Climate Change	International Conference on Better Air Quality 2006 in Yogyakarta, Indonesia, 13 - 15 December 2006
2006	The Impact of International Climate Policy on Indonesian Natural Resources	the Mentor System and Project-based Leader Training Program, Osaka, Japan, 7 th March 2006
2006	Indonesian Geothermal Development and Air Quality Improvement	International Conference on Better Air Quality 2006 in Yogyakarta, Indonesia, 13 - 15 December 2006
2005	Pengembangan Energi Indonesia sebagai Dampak Kebijakan Iklim Global	Jurnal Teknik Lingkungan, ISSN 0854 - 1957, October 2005

2005	Impact of Global Climate Change on Indonesian Climate	the Meteorology Workshop of Agency for the Assessment and Application of Technology (BPPT), Cisarua, Indonesia, 19 th October 2005
2005	Potential of Indonesian Forestry and Ocean on CDM Project for Sustainable Development	the Agency for the Assessment and Application of Technology (BPPT), Jakarta, Indonesia, 31 st August 2005
2003	Integrated Assessment Model for Indonesian Energy Forecast	Joint Convention Jakarta 2003 IAGI-HAGI, Jakarta, Indonesia, 15-17 December 2003
2003	Analysis of energy and forestry sector of Indonesia as impact of international climate policy	The International Conference on Earth System Modelling", Hamburg, Germany, 15 – 19 September 2003
2002	The impact of international climate policy on Indonesia	MPI Report No. 341, November 2002
2002	Emission Reduction Policy and Indonesia's Position	the Environmental Change and Management 2002, Hamburg, Germany, 14 May 2002, held by University of Hamburg
2002	The Changing of Electric and Non Electric Energy Production and Technology Options for Emission Abatement on Indonesia	the European Climate Forum (ECF) workshop: Sustainability Technology for the 21 st Century, Delmenhorts, Germany, 12 - 13 December 2002
2002	Impacts of emission reduction policy on the energy structure of Indonesia	the 5th PhD Workshop on International Climate Policy in Central Europe, Wageningen University, Netherlands, 11 - 12 October 2002
2001	Reduction of CO2 emissions in Indonesian Energy Sector and Its Impact to Global Warming Mitigation	the Indonesian Day Celebrate by Indonesian Specialist and Academician Association in Germany, Hamburg, Germany, 25 August 2001
2000	Analysis of Strategy in Indonesia energy Sector and Its Impact to Global Warming Mitigation	the 2000 AAPG International Conference and Exhibition on Energy for The New Millennium, Bali, Indonesia, 15 - 18 October 2000
2000	Reduction of Greenhouse Gas Emissions by Utilization Hydro Power and Geothermal Energy	the International Symposium Land Use Change and Forest Management for Mitigation

2000	Reduction of CO2 Emissions by Utilization Hydro Power and Geothermal in Indonesian Energy Sector	of Disaster and Impact of Climate Change, Bogor, Indonesia, 18 - 20 October 2000 the Summer Colloquium on The Physics of Weather and Climate Chemistry-Climate Interactions, ICTP, Trieste, Italy, 29 May - 16 June 2000
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Seminar, Conference, Trainings:

Year	Event
2015	The 5th Annual Symposium of Asian Institute for Environmental Research and Energy 2015 (A.ENERGY 2015), Tema : A.ENERGY for the clean, healthy and sustainable Asia”, Incheon - South Korea, 21 – 23 October 2015.
2015	Trainer in “Carbon Accounting System and Carbon Trading Training Course” By Royal Academy of Cambodia. Siem Reap – Cambodia, 20 – 25 September 2015.
2015	Participant in “Result Based Management Workshop, Non-Toxic Environment and Risks Reduction for Sustainable Development : A Regional Research Network in Southeast Asia and Sweden (NEAR2SD-RNSEA)”, Bangkok – Thailand, 21-23 January 2015.
2015	Trainer in “The Training Workshop of Capacity Building on Climate Change Mitigation and Benefits in Forest Sector” By Royal Academy of Cambodia. Phnom Penh - Cambodia, 08 – 15 January 2015.
2014	Participant in “The 4th Annual Symposium of Asian Institute for Environmental Research and Energy 2014 (A.ENERGY 2014), Tema : A.ENERGY for the clean, healthy and sustainable Asia”, Incheon - South Korea, 20 – 22 November 2014
2014	Speaker in Workshop “Peningkatan Peran Serta Masyarakat dan Stakeholder dalam mendukung antisipasi Dampak Perubahan Iklim di Jakarta Selatan” – BPLHD, Jakarta, 28 Agustus 2014
2014	Speaker in Seminar Nasional X IATPI-UB “Penelitian Masalah Lingkungan di Indonesia”, Malang, 20 Agustus 2014
2014	Speaker in <i>Pertemuan Ilmiah Tahunan (PIT) Riset Kebencanaan Tahun 2014</i> – BNPB, Surabaya, 2 – 5 Juni 2014
2014	Speaker in Workshop Katam Terpadu II – Baliklimat, Bogor, 11 – 13 Februari 2014
2014	Leader Team of Organizer in Workshop “PMI Greater Jakarta Urban Disaster Risk Reduction Project: Activities in Vulnerability Assessment of Climate Change Impact along the Ciliwung River Flowing through Bogor, Depok, and North Jakarta”. Jakarta, 20 Februari 2014
2014	Leader Team of Organizer in Solar Energy National Seminar “Development and Implementation of Solar Energy in Indonesia”, Jakarta, 11 Maret 2014.

- 2013 Lecturer in Solar Energy Courses “Technical and Sosio-Economy Aspects in Solar Energy Development” Institut Teknologi Bandung 22-23 Mei 2013
- 2013 Main Speaker in *Seminar Sehari Perubahan Iklim dan Pengelolaan Sumbledaya Alam: “Tantangan untuk Penelitian dan Aksi”*
- 2013 Guest Lecturer in Biologi Department, Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Andalas Padang, Tanggal 28 Maret 2013 dengan Tema “Climate Change to Animals and Vegetations”
- 2013 The 2nd International Conference On Green World in Business and Teknologi Intellectual Property Rights in Technopreneurship Based on Green Business and Technology
- 2013 Speaker in Lokakarya YMTM “The study on a Development of Climate Projection Model for Planting Time Determination in Belu District, East Nusa Tenggara”, Atambua – NTT, 18 Februari 2013.
- 2012 Chair Committee & Speaker dalam ITB & University of Twente “International Conference and Workshop on Solar Energy”, Bandung, 11 – 14 Desember 2012.
- 2012 Moderator in Interactive Event ITB & UN “The Future We Want For All – The Role of Education, Science, and Culture”, Bandung, 09 Oktober 2012.
- 2012 Participant in Workshop BMKG “Implementasi Informasi Perubahan Iklim di Sektor Kesehatan “, Bali, 06 September 2012.
- 2012 Speaker in Lokakarya World Neighbors “*Pengembangan Aksi Bersama Para Pihak Dalam Menyikapi Perubahan Iklim dan Bencana*”, Kefamenanu, Kupang, 10 Mei 2012.
- 2012 Keynote Speaker in Geography International Symposium (GIS) 2012 UGM “International Symposium : Adaptation Toward Climate Change for Sustainability”, Yogyakarta, 6 May 2012.
- 2012 Moderator in Workshop ADPC “Managing The Risks of Climate Extremes and Disasters in Asia – What can we learn from the IPCC Special Report?”, Bangkok, Thailand, 4 May 2012.
- 2012 Speaker in Workshop “Participatory Research on Climate Vulnerability”, Kupang, Maumere, 13 April 2012.
- 2012 Moderator in Workshop Tematik “Peluang dan Tantangan Implementasi REDD+ Tingkat Desa Melalui Perjanjian Desa”, Palangkaraya, 02 April 2012.
- 2012 National Seminar “Integrasi Adaptasi Perubahan Iklim dan Pengurangan Risiko Bencana dalam Kebijakan, Pembangunan dan Penganggaran Keuangan Daerah”, Jakarta, 29 Maret 2012.
- 2012 Speaker in One-Day Seminar of MHI “Adaptasi Perubahan Iklim dan Bencana Terhadap Ketahanan Pangan dalam Rangka Pencapaian Target Surplus Beras 10 Juta Ton Tahun 2014”, Jakarta, 20 Maret 2012.
- 2012 Workshop “Participatory Research on Climate Vulnerability”, Kupang, Nusa Tenggara Timur, 12 Maret 2012.

- 2012 Advanced Seminar "Migration, Refugees, Climate Change and Law", Geneva, Switzerland, 13-14 Februari 2012.
- 2012 Digital Video Conference Workshop "United States - Indonesia Agricultural Technology Exchange", Jakarta, 09 Februari 2012.
- 2012 National Seminar "Physics Competition 2012 - Debate Climate of Change", Universitas Hasanuddin, Makassar, 09 Februari 2012.
- 2011 Workshop "Konsepsi Aktifitas Reforestasi di Palangkaraya untuk Upaya Peningkatan Karbon" Hotel Santika, Jakarta, Indonesia, 22 Desember 2011
- 2011 Focus Group Discussion "*Peluang dan Tantangan Bagi Indonesia Dalam Menghadapi Perubahan Iklim*", Kementerian Sekretariat Negara Republik Indonesia, Jakarta, Indonesia, 20 Desember 2011
- 2011 Conference of the Parties (COP 17), Durban, Afrika Selatan, 28 November - 9 December 2011.
- 2011 Workshop "Adaption to Climate change - putting knowledge into action", Durban, Afrika Selatan, 24 - 25 November 2011.
- 2011 the Ad-Hoc Working Group on Further Commitments of Annex I Parties under the Kyoto Protocol (AWG-KP) and Ad-Hoc Working Group on Long-term Cooperative Action under the Convention (AWG-LCA), Panama City, Panama, 1 - 7 October 2011.
- 2011 Pacific Rim Council on Urban Development (PRCUD) Roundtable Forum 2011 : Urban Planning and Climate Change in Indonesia, Hotel Aryaduta Palembang, Sumatera Selatan, Indonesia, 24 - 27 July 2011.
- 2010 International Conference on Looking Forward to Better Science Education for Better Life, Bali, Indonesia 17 - 20 October 2010.
- 2010 4th AMCDRR Pre - Conference Workshop : Designning for Disaster and Climate Resilience, Incheon, Republic of Korea, 4 - 9 October 2010.
- 2010 Regional Workshop to Raise Awareness and Enchange Action on Climate Change Adaptation and Mitigation at the Sub National Level, Phuket, Thailand, 25 - 27 August 2010.
- 2007 Climate change projection on NTB - NTT", presented in Climate change seminar by WWF - Bapedalda NTB, Lombok, 28 - 30 May, 2007.
- 2006 Capacity Building Workshop on Space Science for Southeast Asian Scientist, Chung-Li, Taiwan, 30 October - 7 November, 2006
- 2006 Summer Colloquium on Climate and Health, National Center for Atmospheric Research, Boulder, Colorado USA, 16th - 22nd July 2006
- 2005 First Capacity Building Workshop on Space Science for Southeast Asian Scientists, Chung-Li, Taiwan, 7-15 November, 2005.
- 2005 Seminar on Useful of Weather Information, Climate and Water for Sustainable Development, the 55th World Meteorology Day, Jakarta, Indonesia, 23 March 2005.

2004	the Euro Science Open Forum 2004, Stockholm, Sweden, 25-28 August 2004.
2003	International Conference on Earth System Modelling, Hamburg, Germany, 15 – 19 September 2003.
2002	the International Seminar of SKET - 2002 - IASI: Technology and Policy on Indonesian Resources Utilization, Hamburg, Germany, 21 - 22 September 2002.
2002	2 nd ECF Autumn Conference: Climate Change and Paths to Sustainability, Berlin, Germany, 14-15 November 2002.
2002	the European Climate Forum (ECF) workshop: Sustainability Technology for the 21st Century, Delmenhorts, Germany, 12 - 13 December 2002.
2001	the Advanced Course: Climate change in the Mediterranean region - part II: socio-economic aspects and impacts, ICTP, Trieste - Italy, 12 - 16 November 2001.
2000	the Summer Colloquium on The Physics of Weather and Climate Chemistry-Climate Interactions, ICTP, Trieste, Italy, 29 May - 16 June 2000.
1999	Second International Conference on Science and Technology for the Assessment of Global Climate Change and Its Impact on Indonesian Maritime Continent, Jakarta, Indonesia, 29, 30 November - 1 December 1999.
1998	One Day Seminar of Mathematics and Natural Sciences, Bandung, Indonesia, 14 November, 1998.

Workshop organized

1. International Conference and Workshop on Solar Energy, Cooperation between ITB and University of Twente, Held in Bandung 11-14 December 2012
2. Workshop on Climate Vulnerability in Sikka, Lembata, and TTU, Held in Kupang, Indonesia. March 2012
3. Workshop on Concept of Reforestation to Enhance Carbon Sequestration in Palangkaraya, Held in Jakarta, 22 December 2011
4. ITB-UNCRD Senior Policy Seminar and Workshop on Climate Change and Poverty in Asia-Africa, Held in ITB, 3-4 August 2010
5. Training for Specialist Team of Meteorology-Oceanography, in PT. Timah (Persero) Tbk., Pangkalpinang, 19-21 March 2009
6. Workshop on The Roles of Improved Tropical Forest Management in Climate Change Mitigation and Sustainable Development, in the Asia-Europe Environment Forum Conference, 23-25 November 2005, Jakarta – Indonesia.
7. International Conference on Research, Public Policy and Asian Public Policy Schools, Bandung, Indonesia, 14 – 15 March 2005 (Development Studies Program, Post Graduate Program)
8. Training of Application MATLAB for Meteorology, BMG – GM ITB, Jakarta, Indonesia, 21 – 25 February 2005.
9. Conference on Indonesian Marine, Kiel, Germany, 26 May 2001 (with IASI and PPI Kiel).
10. Indonesian Marine Student workshop, Hamburg, Germany, 9 March 2002 (with IASI Germany).

Supervisor for Thesis or Final Assessment :

Magister students

- Haries Satyawardhana, 2015, The Assessment of Climate Change for the Onset Season in Java Island Based on CCAM Downscaling Data
- Krismiando, 2015, Identification of Onset Season Based on Cloud Top Temperature Data for Information Systems Development of Onset Season at Java Region
- Terencio T. T. Fernandez Moniz, 2015, Rainfall Pattern and inter-Annual Variability Analysis Related to Enso Phenomena in Timor Leste.
- Asneel Arivend Chand, 2014, Modelling of Rainfall Data for Fiji Island (international student)
- Yosafat Donny Haryanto, 2014, Analysis of Changes in Early Season Rainfall Prediction Based Rainfall to Determine Future Planting and Procutivity Rainfeed Lowland Rice in Cianjur.
- Dinda Tri Handayani, 2014, The Assessment of Wind Characteristics for Wind Power Production in West Nusa Tenggara
- Adi Ripaldi, 2013, The Assessment of Climate Change Impact for Agro Climate Suitability and Productivity for Rice in West Nusa Tenggara Province
- Mamad tamamadin, 2012, Evaluation Study On Climate Model Of Fast Fourier Transform Method For Determination of Rice Planting In The District Of Indramayu
- Abdul Mutholib, 2011, Correlation of Rainfall and Dengue Fever in Makassar City
- Dedy Farhamsa, 2008-, Climate Modeling in Indonesia using Least Square non-linier dan Fast Fourier Transform methods
- Noir P Purba, 2007 -, Impact of climate change on coral bleaching

Bachelor students

- Anggun Pratami, 2015, Study of Wind Energy Potential and Electrical Estimation in Maluku
- Anita Anastasia G.S., 2015, Simulation of the Air Flow on the Wind Turbine Typesetting for the Optimalization of the wind Energy.
- Ahmad Izzah La Mela, 2015, Study of Wind Energy Potential in North Maluku
- Fadhil M. Firdaus, 2015, Study on Characteristics of Solar Radiation Spectrum to Efficiency Optimization of Solar Panel in Nusa Tenggara.
- Fahrell Febrio Geofanny, 2015, Reforestation Impact on Temperature (Case Study Borneo Island)
- Panggea Ghiyats Sabrian, 2013, Assessment of Solar Energy Potency in Tarakan Island
- Akhmad Kunio Pratopo, 2012, Analysis and Projection of Rainfall and Temperature as Implication of Climate Change in Jakarta
- Kiki, 2011, Study Of Rainfall Variability On El Niño La Niña And Dipole Mode Event In Nusa Tenggara Barat
- Mulyati, 2008, Wind energy potential of Indonesia in micro scale.
- Mamad Tamamadin, 2008 -, Solar energy potential on Indonesia.
- Venny Harisha Anggraeni Ashari, 2008 -, Projection of waterbalance as implication of climate change.
- Suci Harini, S.Si, 2007, Carbon uptake from forest sector and its implication on climate change variability.
- Rika Widiatih, S.Si, 2007, Sea level rise projection on Jakarta (with Prof. Dr. Safwan Hadi).
- Syamsam A Nurhuda, 2006 -, Assessment of Hidrometeorology on cooling tower of MEDCO geothermal generation.
- Ahmad Subki, S.Si, 2006, Carbon uptake projection on Indonesian sea.
- Aris Ismanto, S.Si, 2006, Implication of Hg on health over river Brantas.
- Yuanita Tri A, 2005, Impact of climate change on health of Indonesian population.
- Sabitah Irwani, 2005, Climate change policy and energy structure of Indonesia.

Dr. Armi Susandi, MT