

**FST/2000/001 Impacts of fire and its use for sustainable land and forest management
in Indonesia and northern Australia**

Travel Report - 18-26 June 2004

**Visit to Satya Wacana Christian University, Salatiga
by Dr Penny Wurm, TS CRC Higher Education Leader
convened by Dr Agna Krave, Dean of Faculty of Biology**

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LIST OF ACRONYMS USED

ACIAR	Australian Centre for International Agricultural Research
BAPPEDA	Provincial Development Planning Board
BAPPEDAL	Environmental Protection Agency (within BAPPEDA)
CDU	Charles Darwin University
CSEI	UKSW Centre for Studies in Eastern Indonesia
CSIRO	Commonwealth Scientific & Industrial Research Organisation
NTT	Nusa Tenggara Timor (Province of Eastern Indonesia)
TS CRC	Tropical Savannas Cooperative Research Centre
UKSW	Satya Wacana Christian University

1. Summary of the visit

The visit was essential for the development of collaboration between Charles Darwin University (CDU) and Satya Wacana Christian University (UKSW), and the adoption of TS CRC/CDU teaching and learning resources in savanna management into the Magister program at UKSW.

The visit provided an opportunity to meet with Magister students, most of whom were from eastern Indonesia and supported by their local government to study at UKSW.

The visit uncovered common educational objectives at UKSW and CDU (e.g. flexible learning projects, desire to foster independence amongst learners).

A number of research and education activities at UKSW were identified that are relevant to the existing ACIAR project and subsequent future research and extension collaborations in eastern Indonesia. The visit resulted in greater awareness (for the Darwin visitor) of the extensive research and educational network that UKSW has already established in eastern Indonesia.

The visit also provided an opportunity for researchers and educators based at the UKSW Centre for Studies in Eastern Indonesia, Magister students from eastern Indonesia and elsewhere, and staff and students in the Faculty of Biology to be briefed on the geography of Australian savannas.

Importantly, the visit provided an opportunity to develop good-will, understanding and increased capacity for collaboration between the two universities and with the region of eastern Indonesia - a process commenced with Dr Agna Krave's visit to CDU earlier in the month.

Schedule: Please see attached schedule prepared by Dr Agna Krave.

2. Major outcomes of the visit

1. Commencement of the adoption of *SBI507 Ecology & Management of Tropical Savannas* into the Magister of Biology at UKSW - enrolments to commence September 2005.
2. A curriculum plan for the establishment of savanna management capacity in the Magister of Biology at UKSW - enrolments to commence September 2005.
3. Agreement to develop a module focusing on savannas in eastern Indonesia, for inclusion in *Ecology & Management of Tropical Savannas*. This new case- study module will be used at UKSW, and possibly CDU. This module will draw upon results of the ACIAR Fire Project, as well as other collaborative research undertaken by UKSW in eastern Indonesia. Resources to be sought for implementation in 2005/6.
4. Adoption of *SES501 Landscape ecology and GIS* for use in the Magister of Biology at UKSW. UKSW is seeking to build GIS capacity and has one staff member with GIS skills. The existing materials may be introduced to UKSW curriculum, possibly via a team teaching model involving staff at both campuses, joint enrolments, or some other collaborative model.
5. The UKSW curriculum development team proposes a new unit in rangeland management, focusing on eastern Indonesia. This unit will draw upon results of the ACIAR project, as well as established networks and other research undertaken by UKSW in eastern Indonesia, using *SBI509 Managing Northern Rangelands* as a model. Resources to be sought for unit development in 2005/6.
6. Research staff at UKSW agreed to commence planning for new research in eastern Indonesia. These new projects will build upon (a) the outcomes of the current ACIAR project, (b) existing networks and collaborations in eastern Indonesia, and (c) new collaborations with researchers at CDU. This work will focus on soil function and health, and will draw upon complimentary research capacity at UKSW, CDU and associated agencies in Darwin and eastern Indonesia.
7. Administrative duties associated with the establishment of the MoU.
8. Discussion at the UKSW Multi-media Centre and outline of existing flexible learning activities at UKSW and CDU.
9. Meetings with Magister students
10. Meetings with UKSW Centre for Studies in Eastern Indonesia
11. Meetings with other agencies.

ACTIVITIES AND OUTCOMES June 2004:

3. Increased capacity for postgraduate education in savanna management.

The curriculum development team at UKSW is lead by Dr Agna S. Krave (Dean) and includes Professor Haryono Semangun, Dr Ferry Karwur (Postgraduate Coordinator, Biology), Prof. Dr Kris H. Timotius, Dr Martanto Martosupono, Drs. Adjar Subadi, M.S (Coordinator of Postgraduate Affairs, UKSW), and Drs. Soenarto, M.Sc. In addition, Mr Darma Palekahelu, M.S (Secretary of the UKSW Multi-media Centre) , is able to provide educational design and technology support.

A. Adoption of *SBI507 Ecology and management of tropical savannas* into the Magister of Biology at UKSW.

The inclusion of this unit into the Magister of Biology was unanimously agreed to by the UKSW curriculum development team.

Initially the existing unit materials (photocopied readings, multi-media CD, and unit information for students) will be used as they are, with possibly the unit information also being translated into Bahasa Indonesia. The course (and therefore this unit) is offered internally.

This unit will be offered for the first time in Semester 1 2005, which (commences at the beginning of September). This time frame will allow adequate promotion and recruitment of suitable students, and allow the update of course information to coincide with the start of a new academic year.

The **second phase** of adoption will comprise the development of a new case study on eastern Indonesia, for inclusion in the existing learning materials. Additional resources will be sought to support this.

Unit teaching staff will be Dr Agna S. Krave and Prof. Dr Kris Timotius. Both staff are advocates of flexible learning, and of fostering independent learners, and will develop teaching strategies to use the flexible materials in face-to-face teaching settings.

During the meeting Penny explained some of the educational objectives behind the development of units in the TEM program at CDU. The units have been developed so that external students can also study, and there is limited attendance on campus (during residential field work blocks), and supported by online discussions. In some units there is no compulsory attendance on campus at all, and students can study completely externally. Internal students (studying on campus) meet for weekly tutorials and discussions with the lecturer, rather than formal lectures. The lecturer becomes a mentor and advisor, and a high level of independence is expected of students.

Assessment does not include exams - all assessment is by assignments (essays). The criteria by which essays are marked are provided to the students at the beginning of the semester (see the website unit information). The curriculum team agreed that oral presentations could be included as assessment items at UKSW. The curriculum team was a little concerned that students may find a large essay on one topic too difficult at first. However, it was agreed that an essay topic could be broken down into sub-topics, with essays becoming more complex as the semester proceeds.

The unit in ecology and management of tropical savannas has no compulsory requirement for field work at CDU. There are photographs of savannas on the CD and a video is being prepared of savannas in eastern Indonesia, by Rohan Fisher, as part of the ACIAR project. This could also be used as

teaching resource in the unit at UKSW. A non-compulsory field trip could be introduced, especially for students returning to NTT.

Staff at the curriculum development meeting also raised the issue of recognition for teaching hours. Penny explained that at CDU the teaching of flexible units was considered to be the same as that for standard lecture/lab style teaching units (i.e. equivalent to 3 hours of lecture and 3 hours of laboratory each week). These units have been developed with a student-centred focus. The lecturer therefore becomes a mentor and guide as the student learns, and this means more time commitment from lectures in discussion with the students, often individually.

Actions:

- UKSW to review course content and learning materials, and develop teaching strategies, and credit point equivalence at UKSW (Curriculum implementation team).
- New unit to be included in promotional materials for 2005 (Ferry).
- Resources to be identified to support the development of the new module (Penny & Agna).

A. A curriculum plan for the establishment of savanna management capacity

Students in the Magister of Biology must take a compulsory suite of units in the Matakuliah Wajib. Then they choose one of three Focus streams. Within each Focus there may be compulsory and elective options, for that Focus (Table 1).

In order to develop a curriculum structure for the inclusion of savanna management content, the following curriculum modifications are proposed:

- Option A. Introduction of *Savanna Ecology and Management* as a compulsory unit choice within the existing Environmental Biology Focus
- Option B. Introduction of a new Environmental Management Focus, into which *Savanna Ecology and Management* and new units in GIS and rangeland management would be offered, along with existing UKSW units.
- Option C. Expanding the new focus in the future by including materials for *SBI502 Flora & Fauna Survey Techniques* and *SBI504 Design & Analysis of Environmental Studies*. At present these topics are covered in the existing UKSW unit *Environmental Management*

Option A above represents at least phase 1, and will be implemented in the next academic year, with a 4th Focus possibly being introduced in the longer term.

A. Adoption of *SES501 Landscape ecology and GIS* into the Magister of Biology at UKSW.

Faculty of Biology staff are aware of the increasing importance of *GIS* as an environmental management tool. At present the university has limited human capacity, and little infrastructure to offer *GIS* education for students. Remote sensing and *GIS* are areas of strength at CDU.

SES501 Landscape ecology and GIS is a stand-alone unit offered at CDU. "This unit gives you a conceptual background in landscape ecology and an understanding of basic *GIS* and *RS* concepts and functionality for environmental management. The overall aim of this unit is to make *GIS* more accessible, understandable and relevant to environmental scientists." (see unit information at http://learnline.cdu.edu.au/units/ses500_cdsem2-02/studysite/ui.html).

The unit does not involve use of expensive *GIS* or *RS* software. As such it provides an opportunity for students to commence studies of *GIS* without UKSW needing *GIS* and *RS* infrastructure. Mr Darma Palekahelu, who has qualifications in geography and a Master of Education, and is secretary of the multi-media centre at UKSW, has technical experience as a *GIS* practitioner.

SES501 Landscape ecology and GIS may be phased into the curriculum at UKSW gradually, using a team teaching model and some arrangement, and shared funding for student enrolments.

Actions:

- CDU *GIS* lecturing staff Dr Diane Pearson and Dr Guy Boggs to advise on potential teaching models and unit sharing (Penny).
- Faculty of Education Health & Science (CDU) to advise on enrolment sharing arrangements (Penny).

A. Development of a new unit in rangeland management for eastern Indonesia.

Faculty of Biology staff were briefed on all units in the Master of Tropical Environmental Biology (CDU), and identified *SBI509 Managing northern rangelands* as a unit for inclusion in the Magister of Biology. It was agreed that the existing unit is too locally focused on northern Australia to be adopted into the curriculum. However, the profile of eastern Indonesian students studying the Magister (i.e. mature aged students already employed in nation or regional agencies involved in agricultural or environmental management), mean that an applied case-study based unit would be an appropriate addition to the Magister curriculum. In addition the network among agencies in eastern Indonesia that UKSW has already established, as well as the network developing from the ACIAR Fire project, includes expertise to draw upon for a rangelands-style (*SBI509*) unit.

In addition to providing important content in savanna management for the Magister program, this project would also provide an opportunity for collaboration and capacity-building in flexible learning and teaching. Staff at UKSW indicated an interest in flexible teaching and learning and fostering more independent learners among postgraduate students. In addition, the Centre for Multi-media has commenced the development of flexible learning materials in selected courses (Faculty of Law) and has staff with educational design and technology skills. CDU and the TS CRC also has expertise and experience in the strengths and pitfalls of online learning. Thus this proposed project would provide exciting opportunities for educational collaborations. These collaborations will then facilitate the ongoing adoption and update of TS CRC/CDU learning resources at UKSW.

Actions:

- Resources to be identified to support the development of the new unit (Penny & Agna).

A. Magister student project in Sumba.

Dini, a current student in the Magister, is due to commence her project in August/September 2004. The Faculty of Biology are keen to support her to work on soil microbial studies under different fire and land management techniques in Sumba. The project will involve field work in Sumba and laboratory work and thesis preparation at the Salatiga campus. The faculty is meeting during the first week of July to discuss and develop a project proposal on behalf of Dini. Proposed supervisors are Agna (UKSW) and Jeremy Russell-Smith (NT Bushfires Council / TS CRC)

Actions:

- Draft project proposal to be prepared and circulated (Agna).
- Resources to be identified to support the field component of the project (Penny and Agna).

A. Scholarships for ACIAR project team members.

ACIAR team members are interested in postgraduate study in GIS and remote sensing. As UKSW does not have the capacity to teach this, project team members will need to either (a) study overseas, where English language requirements can be satisfied, or (b) study at a suitable Indonesian institution offering GIS (Gadjah Mada University may be appropriate for example).

Actions:

- Suitable Indonesian universities with GIS & Remote sensing programs be identified (Agna and Ferry).
- Scholarship opportunities for study in Australia be progressed (Penny).

G. Student exchanges.

It was agreed that student exchanges would be an exciting development under the term of the MoU. Issues to be resolved include the mapping across of curriculum in the two faculties and funding, especially for Indonesian students traveling to Australia and facing the disparity in the cost of living. During discussion with the Rector it was noted that UKSW has an exchange with either Sydney or Griffith university, which may serve as a model. Faculty of Education Health & Science also has an exchange with a Danish university.

Actions: Copies of existing exchange agreements to be circulated for future implementation. (Penny and Agna)

4. Collaborative research on savanna management in eastern Indonesia.

Dr Agna convened two meetings to discuss possible research collaborations among UKSW, CDU and agency partners in future research projects in eastern Indonesia.

A. Soil health in fire-prone landscapes in eastern Indonesia.

Soil health and function has been identified in previous correspondence and meeting reports associated with the current ACIAR Fire project (e.g. see meeting report March 2003), as central to effective land management. Soil loss and degradation provided the motivation for the current ACIAR Fire project. UKSW, CDU and their agency partners, have capacity for research in soil health and function. The new project will include soil health, vegetation dynamics, soil status and erosion potential.

A new project would build upon, and compliment, an application for an extension of the current ACIAR Fire project.

UKSW Centre for Studies in Eastern Indonesia will host a workshop for the development of a concept for a new ACIAR project. Attendees will include CSEI researchers, faculty staff and Magister students from the region, based at UKSW. This will then be followed by a larger research planning workshop in eastern Indonesia (funding permitting) in which agency and NGO partners will plan research. This will include agency partners in West Timor and teaching universities in the region (e.g. Universitas Nusa Cendana, Kupang).

Actions:

- Advice to be sought from ACIAR in Indonesia, about research priorities, both content and geographic locations. Also as to whether seeding money is available to help fund preparation of the proposal. (Agna)
- Documents associated with the inception and implementation of the existing ACIAR project to be collated and explored for evidence of support for soil research. (Agna and UKSW research teams)
- CSIRO Darwin to provide copy of draft project proposal for soil health studies in Queensland, Australia. (Penny)

- Communication between researchers at CDU and UKSW ongoing (Agnas & Karen Gibb, & Penny)
- UKSW Centre for Studies in Eastern Indonesia to develop a conceptual framework for the proposal
- UKSW Centre for Studies in Eastern Indonesia to host workshops for concept development and research planning for a new ACIAR proposal.

A. UKSW Research activities in eastern Indonesia.

UKSW is well positioned to lead or collaborate in research activities in eastern Indonesia. UKSW was originally established by a consortium of churches in that region, and many students at UKSW are from there also. UKSW has a MoU with the provincial Government of NTT, and with the District Governments of East and West Sumba. The Bupati of East Sumba is on the Board of Trustees of UKSW.

As part of a MoU between UKSW and Timor Tengah Selatan (one of 5 districts in West Timor), in 2000 UKSW led a land use survey in central West Timor, in collaboration with BAPPEDA NTT. The final report for this project has just been prepared. It included training of technical staff in soil sampling, and ground water assessment as well as householder interviews. The final report includes land use and resource maps, prepared using ArcInfo.

The research and collaborations in NTT are frequently coordinated through the UKSW Centre for Studies in Eastern Indonesia.

UKSW has extensions in eastern Indonesia (High Schools of Economics); one in Kupang, West Timor, and one in Waingapu, Sumba. UKSW, through the government-appointed services of Dr Agnas Krave, also takes part in university accreditation activities in eastern Indonesia and is particularly developing links with Universitas Nusa Cendana (UNDANA) in Kupang. Prior to the independence of east Timor UKSW had links with the national University of East Timor (and still does so although on a reduced scale).

In addition to this network in the region, UKSW also has research capacity. A number of staff within the school have a PhD and/or research experience in relevant areas. The University also publishes *Kritis: Jurnal Studi Pembangunan Interdisiplin* (Journal of Interdisciplinary Development Studies). This journal is peer reviewed and accredited with the Indonesian Government.

5. Administrative duties associated with the establishment of the MoU.

Indonesian universities require very specific items of documentation to maintain their government accreditation. Subsequent to the signing of a MoU between the Faculty of Biology (UKSW) and Faculty of Education Health & Science (CDU) it has become evident that UKSW also requires an umbrella agreement at the university level, signed by the

Rector and VC respectively. In part this is because postgraduate courses, including the course work Magister, are university programs, not therefore technically covered by a faculty to faculty agreement. During the visit we met with the UKSW Rector Dr John Titaley, and he has provided a signed copy of an additional university-to-university MoU. The wording of this is exactly the same as the Faculty-to-Faculty MoU already signed, except where the words describing faculties have been replaced with ones describing the university.

Actions: Penny to liaise with Greg/VC's office to have additional university-to-university MoU signed and a copy returned to UKSW.

6. Other activities at UKSW

Dr Agna convened a number of meetings and networking activities during the visit (see schedule attached). Some of these are reported on below

A. Magister of Biology students.

The visit provided an opportunity to meet over lunch with Magister students, most of whom were from eastern Indonesia and supported by their local government to study at UKSW. One will undertake a Magister project in association with the current ACIAR project, investigating soil microbial communities under different fire regimes. The profile of Magister students is similar to the typical student profile of student in the Master of Tropical Environmental management at CDU (i.e. mature aged, already working as a professional in a government agencies). It was agreed by all that these students represented a network of potential future research and communication collaborators.

In attendance were: Alfons (from north Celebes, a continuing UKSW student), Putu (originally from Bali, but now working for BAPPEDA in West Timor), Dini (family in Sumba, a continuing UKSW student, also planning to do a project in Sumba), Vivian (from Central Sulawesi, a continuing UKSW student), Wiwid (from Salatiga, a continuing UKSW student), Martin (from west Timor, works in Department of Forestry), John (from west Timor, works in Department of Agriculture on cash crops), Zakarias (from west Timor, works in Department of Agriculture, an extension officer in animal husbandry). The students were very keen for further research activities in eastern Indonesia.

B. UKSW Centre for Studies in Eastern Indonesia.

The centre invited a spoken presentation on environmental management in northern Australia that was attended by staff from a number of Faculties, postgraduate students and employees from government environmental agencies. The presentation included an overview of the geography of tropical savannas, an outline of the TS CRC and fire research supported by it

and a report on the ACIAR project. The session lasted 2 hours and was punctuated by much discussion.

In addition, we had a meeting with key centre staff over dinner. Staff expertise included resource economics, tourism, environmental biology, geography and education. Many of the staff are originally from eastern Indonesia.

One of the topics discussed was the need for capacity building in grant writing. An resource economist at the gathering reported on another institution he was associated with seeking the services of an Australian university to assist with grant preparation - with resulting success.

Actions:

- Penny to post a CD copy of the presentation.
- Penny to provide Titi Susilowati Ndoen with a copy of Romy Greiner's paper on regional tourism
- CSEI staff to seek advice from ACIAR project leaders for grant-writing advice.

C. Meetings with other centres

The Faculty of Biology is well networked with local and regional agencies and centres.

During the visit we met with the Director of the national Vector & Reservoir Control Research Unit, with which the faculty has teaching collaborations and arrangements to share laboratory facilities.

We also met with senior staff from BAPPEDAL (Province of Central Java), to discuss environmental management and monitoring issues, and their developing GIS capacity.

Table 1: Curriculum structure of Magister of Biology and proposed changes for the inclusion of materials in tropical savanna management. Option A represents a first phase and Option B may be introduced subsequently. Option C is a longer term plan, depending on teaching and development resources.

Existing course structure, without savanna topics	Option A. Existing course structure, including savanna unit, for students requiring a savanna focus	Option B. New course structure, including savanna unit, for students requiring a savanna focus	Option C. New course structure, including a number of CDU units, for students requiring a savanna focus
Matakuliah Wajib (All Compulsory)	Matakuliah Wajib	Matakuliah Wajib	Matakuliah Wajib
* Philosophy of Science	* Philosophy of Science (compulsory)	* Philosophy of Science (compulsory)	* Philosophy of Science (compulsory)
* Industrial biological systems	* Industrial biological systems (not compulsory)	* Industrial biological systems (not compulsory)	* Industrial biological systems (not compulsory)
* Analytical biochemistry	* Analytical biochemistry (compulsory)	* Analytical biochemistry (compulsory)	* Analytical biochemistry (compulsory)
Focus 1 - Kekhususan Biologi Industri: (Must take 2 units)			
* Rekayasa biochemistry (compulsory)			
* Industrial microbiology			
* Food science & technology			
* Natural products			
Focus 2 - Kekhususan Agricultural biotechnology (Must take 2 units)			
* Agricultural biotechnology (compulsory)			
* Microbiology for food & health			
* Bio-pesticides			
* Organic farming			

Focus 3 - Kekhususan Environmental biology (Must take 3 units)	Focus 3 - Kekhususan Environmental biology (Must take 3 units)	Focus 4 - Environmental management (Must take 3 units)	Focus 4 - Environmental management (Must take 3 units)
* Environmental management (compulsory)	* Environmental management (compulsory)	* Environmental management (compulsory)	Flora & Fauna Survey Techniques
	Ecology & management of tropical savannas (compulsory)	Ecology & Management of Tropical Savannas (compulsory)	Design & Analysis of Environmental Studies
* Environmental science	* Environmental science	Landscape Ecology & GIS	Ecology & Management of Tropical Savannas (compulsory)
* Eco-toxicology	* Eco-toxicology	Managing Eastern Rangelands	Landscape Ecology & GIS
* Environmental biotechnology	* Environmental biotechnology		Managing Eastern Rangelands

ATTACHMENT A: VISIT SCHEDULE



UNIVERSITAS KRISTEN SATYA WACANA

Jl. Diponegoro 52-60 Salatiga 50711, Jawa Tengah – Indonesia
Telp. (0298) 321212 ; Fax. (0298) 321433 E-mail: rektor@uksw.edu

Activities to be scheduled during the Visit of Dr. Penny Wurm

Fri 18 th	15.00-16.00 16.00-17.30 17.30-19.30	Arrival & Rest Orientation tour of UKSW Dinner with Agna, Ferry, Jar	Hotel Beringin UKSW
Sat 19th	08.00-12.30 12.30-17.00 17.00-19.00	Field tour to Keteb and Selo on Mt. Merbabu (with Agna, Ferry and Karina) A tour to Borobudur (Agna, Ferry & Karina) Dinner and return to Salatiga	On the way home to Salatiga
Sun 20th	12.00-16.30 17.30-19.00	Orientation tour of Salatiga & surroundings (e.g. Rawa Pening) with Agna & Sunarto Dinner with Agna & Sunarto	Somewhere nearby Rawa Pening
Mon 21th	09.00-10.00 10.00-12.00 12.00-13.00 14.30-16.00 18.00-20.00	Monday (with Agna) Introducing CDU and the Faculty of EHS to members of FB and Magister Biology, followed by discussion (open to all staffs and Magister students) Lunch with all staff members Meeting with rector A tour to Central Library Dinner with Agna, Adjar & Ferry	BU G 503 G Building GAP Somewhere in town
Tue 22th	09.00-12.00 12.00-13.00 13.00-14.00 14.00-16.00 16.00-18.00 18.00-20.00	Free time Meeting with Post Graduate Student from Soe, West Timor and Lunch (nasi bungkus/dus) Free time Discussion on Possible Research Collaboration with Dept. Biochemistry & Molecular Biology (Fer, Bet, Leo, Kas) Resting Dinner with Prof. K,H. Timotius	G-Building (Third Floor) Meeting room, C- building
Wed 23th	08.00-10.00 10.00-12.00 12.00-1.00 13.00-15.00 15.00-18.00	Free Time A tour to Biology Laboratory Lunch with Agna Free Time Discussion with Curriculum teamwork on the implementation of -Sharing of coursework units leaning materials	C-Building Meeting room, C- building

	18.00-20.00	-cross-institutional and joint enrolments - Discussion on research collaboration between MTEM and Magister Biology on Ecology and Management of Savannah in Eastern Indonesia Dinner with team	C-Building
Thu 24th	09.00-11.00 11.00-12.30 12.30-14.00 14.00-16.00 16.00 – 17.30 17.30-20.00	Seminar on Tropical Environmental Management (open to all staff and students of UKSW) Free time Lunch with Dr. Martanto and Prof. Haryono Semangun Discussion on Possible Research Collaboration with Dept. Biotechnology & Env. Management (NAS, NAR, Jar, Hyo, Rin, Jub, Dar) Free time Discussion and Dinner with East Indonesia Research Team	G 401B Meeting room, C-building "Rawa Permai"
Fri 25th	08.00-12.00 12.00-13.30 13.30 – 16.00 16.00-18.00 18.00-20.00	Visiting Env. Protection Agency (Bapedal) and see a possible cooperation on GIS and Remote Sensing (This still need to be confirmed) Farwell Lunch with staff of Postgraduate Program Visiting to BPVRP (Ristiyanto) Free time Dinner	Semarang G-building (Third Floor) Ngawen, Salatiga
Sat 26th	08.30-10.30 10.30 – 2.00 3.00	Meet with Multi-media Centre staff to view TSS consultancy and online learning projects (Agna & Dharma) Free time Depart for Yogyakarta & Flying home to Darwin	