



**THE ROLE OF HIGHER EDUCATION
IN INDONESIA TO CONSERVE BIODIVERSITY**

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UNIVERSITY PROGRAMS IN BIODIVERSITY CONSERVATION

- 1983: Department of Forest Resources Conservation (Faculty of Forestry, Bogor Agricultural University; IPB)
 - Diploma (3-year program)
 - Undergraduate
 - Graduate (Master's and Doctor)
- University of Gadjah Mada
- University of Indonesia (Graduate School only)

RELATED FIELDS IN UNIVERSITIES

- Biology (incl. Marine Biology, Zoology, Botany)
- Veterinary Medicine
 - new fields: Conservation Medicine, Zoonosis
- Animal Husbandry
 - Ex-situ breeding
- Social Sciences

Dept. of Forest Conservation:
Undergraduate, Graduate



Graduate Program –
Biodiversity Conservation



Department of Biology



Department of Biology
Outside Java

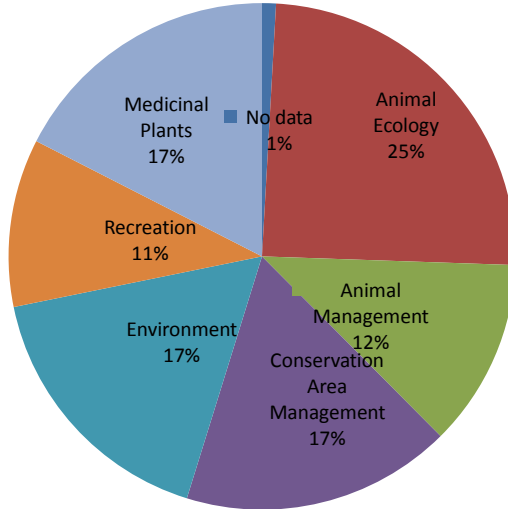
Still lacking...

- Taxonomy (esp. plants)
 - Field guides
- Molecular genetics
- Genetics
- Marine biology (incl. marine mammals)

Courses, Lecturers, and Topics Selected by Students:
Case of IPB

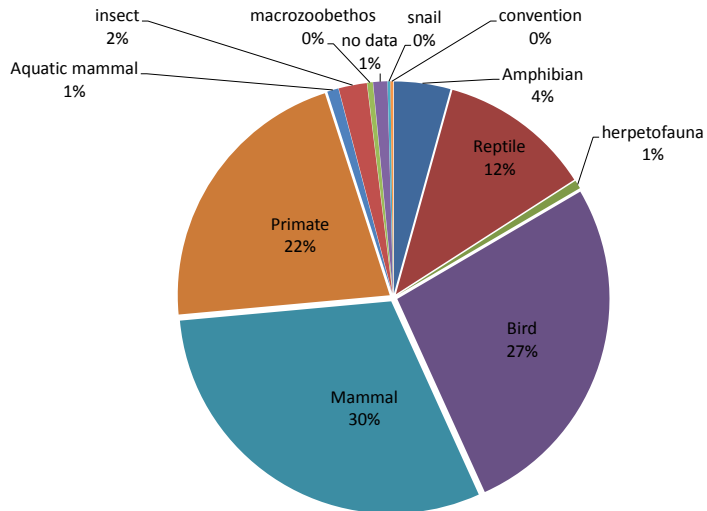


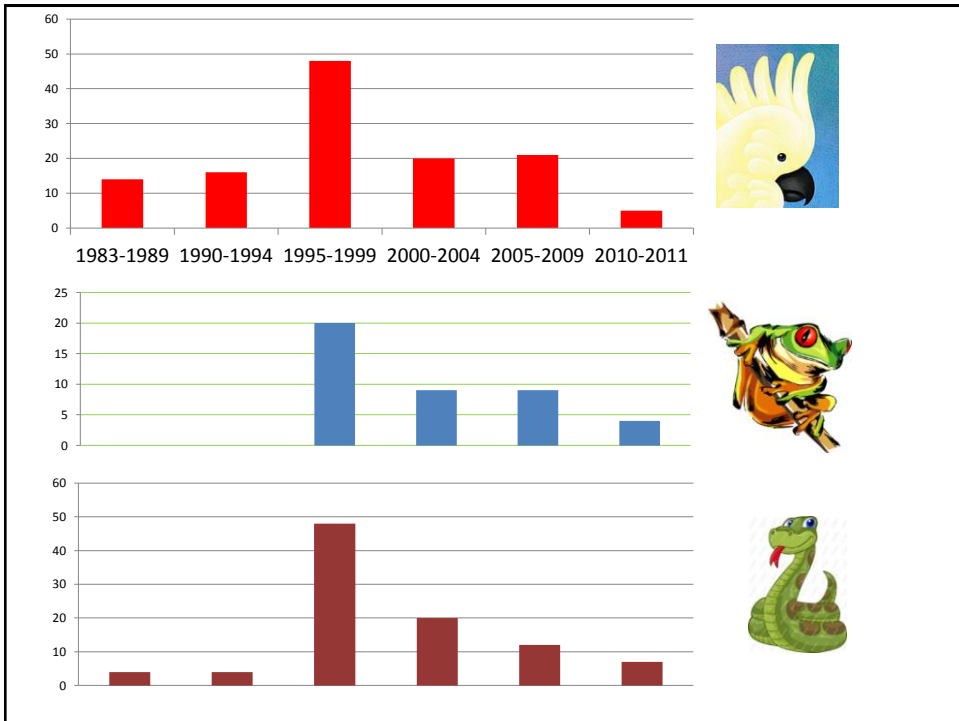
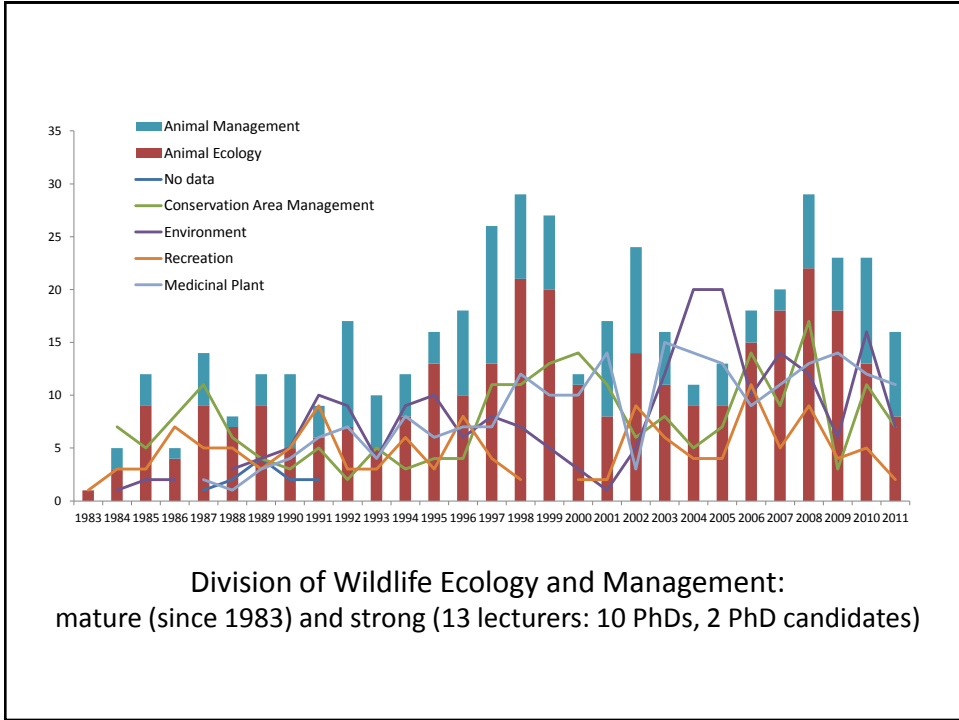
PERCENTAGE OF RESEARCH TOPICS BY STUDENTS 1983 - 2010



- wildlife: interesting topics

Research in Wildlife by Students, 1983 – 2010





Selection of Research Topics

- Depends largely on the existing curricula
- Issue on Specialist vs. Generalist
- Courses on special topics (Avian Ecology, Herpetology, Mammalogy, Primatology) → trigger specific topics
- Funding for field research
- Collaboration with other institutions (Ministry of Forestry, national parks, NGOs, Associations)



Graduate Program

- Trend: increase in number of students, younger age of students
- Many grad students are lecturers
- More specialized in selection of research topics
- Recognized by other foreign universities
- Exchange programs

Kode	Mata Kuliah	SKS	Semester
Mata Kuliah SPs (6 SKS)			
STK	511 Analisis Statistika	3 (2-3)	1
PPS	500 Bahasa Inggris	3 (3-0)	1
Mata Kuliah Wajib Mayor (25 SKS)			
KSH	501 Konservasi Biodiversitas Tropika	2 (2-0)	1
KSH	502 Metodologi Penelitian	3 (2-3)	2
KSH	511 Dinamika Populasi Biodiversitas	3 (2-3)	1
KSH	512 Manajemen Biodiversitas In-Situ	3 (2-3)	1
KSH	515 Manajemen Biodiversitas Ex-Situ	3 (2-3)	2
KSH	516 Ekologi Kuantitatif	3 (2-3)	2
PPS	601 Kolokium	1	3
PPS	690 Seminar	1	4
PPS	699 Penelitian dan Tesis	6	4
Mata Kuliah Pilihan Mayor 1 (Konservasi Satwaliar) (9 SKS)			
KSH	513 Manajemen Perburuan Satwaliar	3 (2-3)	2
KSH	514 Teknik Valuasi Sumberdaya Bernilai Penting	3 (2-3)	2
KSH	631 Manajemen Ekosistem Bernilai Penting	3 (2-3)	3
Mata Kuliah Pilihan Mayor 2 (Konservasi Tumbuhan) (9 SKS)			
KSH	632 Bioprospeksi Hutan Tropika	3 (2-3)	3
KSH	633 Konservasi Tumbuhan Pangan Hutan	3 (2-3)	
SVK	522 Pemanfaatan Sumberdaya Genetik Tanaman Hutan	3 (2-3)	
Jumlah SKS Minimum		40	

ALUMNI AND ORGANIZATIONS IN BIODIVERSITY



Thank you



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