

Memorandum of Understanding

between

the Sam Ratulangi University (UNSRAT), Manado, North Sulawesi, Indonesia

and

**the University of Kassel, represented by the President, Kassel, Germany
Department of Natural Sciences, Institute of Biology**

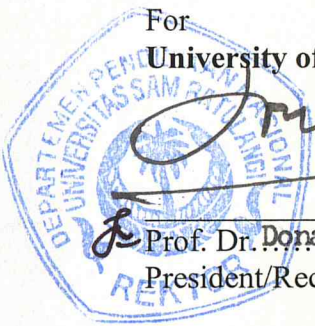
Sam Ratulangi University and Kassel University agree on an official exchange and mutual support to implement the aims of the IGN-TTRC (Indonesian-German Network for teaching, training and research cooperations), particularly in the field of biodiversity research and applications. These include primarily the

- a) Improvement of life science teaching at secondary schools and the motivation of pupils to study life sciences, one of the most important topics for the future of Indonesia and Germany.
- b) Improvement of undergraduate and graduate studies in life sciences with a focus on combining the organismic branch (ecology, conservation, field biology) with the technical branch (molecular biology, bioinformatics, biochemistry, biophysics).
- c) Implementation of programs to facilitate the exchange of scientists on the graduate, PhD and further advanced levels (e.g. by DAAD sandwich and other measures) and thus to accumulate expertise in the respective fields in Indonesia.
- d) Establishment of a Science Bridge teaching lab at UNSRAT with the support of WUSKI (World University Service Komite Indonesia).
- e) Mutual agreement of quality control and joint efforts to guide young scientists to respective research institutions in Germany and guidance for returning experts to appropriate institutions in Indonesia (particularly including the Biodiversity and Biology Moleculer Research Center)

- f) Establishment and support of joint research projects between German and Indonesian institutions, including joint grant applications to improve scientific infrastructure (in particular laboratory equipment) in Indonesia and scientific exchange between the partners.
- g) Long term goal to establish a joint Indonesian – German mentoring system on-site in Indonesia to support these aims.

On the German side, Kassel University closely collaborates with Science Bridge e.V. which will primarily manage the scientific contents of this agreement.

For
University of Sam Ratulangi



[Handwritten signature]
Prof. Dr. Donald A. Rumokoy
President/Rector

For
Universität Kassel



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Prof. Dr. Rolf-Dieter Postlep
President

Date 12.03.2009

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Prof. dr. Edwin De Queljoe, M.Sc
Dean of Faculty of Math. and Nat. Sc.

[Handwritten signature]

Prof. Dr. David A. Kaligis
Departmental Coordinator for the
Exchange

Date 6.03.2009

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Prof. Dr. Friedrich W. Herberg.
Dean of Dept./Faculty of Natural Sciences

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Prof. Dr. Wolfgang Nellen
Departmental Coordinator for the
Exchange