



**INDONESIAN ACADEMY OF SCIENCES**  
AKADEMI ILMU PENGETAHUAN INDONESIA



**K O N I N K L I J K E N E D E R L A N D S E**  
**A K A D E M I E V A N W E T E N S C H A P P E N**  
**ACADEMY PROFESSORSHIP INDONESIA**

SCIENTIFIC PROGRAMME INDONESIA – NETHERLANDS

## **Academy Professorship Indonesia**

**- Natural Sciences -**

Programme design & Guidelines

**This document describes the objectives of the Academy Professorship Indonesia (API), explains the nomination procedure, review and selection of the API candidate and provides explanatory notes for completing the nomination form.**



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## 1. ACADEMY PROFESSORSHIP INDONESIA: INTRODUCTION

In 2004, the Royal Netherlands Academy of Arts and Sciences (KNAW) and the Indonesian Academy of Sciences (AIPI) agreed to explore the possibility of installing academy funded rotating professorships at Indonesian universities, to be held by eminent Indonesian scientists. This initiative, subsequently designated the Academy Professorship Indonesia (API), was first proposed by the Royal Netherlands Institute of Southeast Asian and Caribbean Studies (KITLV) in Jakarta and embraced by both academies under the Memorandum of Understanding (MoU) signed in 2004 by KNAW, AIPI, the Indonesian Institute of Sciences (LIPI) and the Netherlands Organisation of Scientific Research (NWO).

The Academy Professorship Indonesia was officially launched in February 2007 in Yogyakarta with the presentation of the first professorship in the field of Social Sciences and Humanities, hosted by the Gadjah Mada University (2007-2010) and the University of Indonesia (2010-2012). The success of this first API led KNAW-AIPI to decide expanding the programme to the field of Life Sciences. This second API, hosted by Hasanuddin University, started in 2012 and is running until 2016. The next two professorships will start in 2015 and will be in Natural Sciences and Social Sciences, respectively.

### 1.1 Objectives

The overall objective of the Academy Professorship Indonesia is:

*To strengthen the position of sciences and arts in Indonesia, to support the fostering of scientific curiosity and an academic culture, and to ensure societal awareness of the importance of science to the Indonesian community.*

### 1.2 Programme design

- a. The professorship is hosted by an Indonesian top university. This is an essential aspect of the professorship, since it will promote knowledge sharing and lateral movement between universities.
- b. The Academies will contribute € 30,000 annually towards the salary, research costs and research-related travel expenses of the Academy Professor and of the apprentices at the host university and the home institution (see point h). The host university will provide the Academy Professor with a suitable workplace, meeting at least the host university's minimum standard.
- c. After the selection of the candidate, KNAW-AIPI will, in close consultation with him/her, determine the host university which is most suitable for the proposed research in Natural Sciences. Natural Sciences includes Physics, Chemistry, Geology, Ecology, Plant Sciences, Marine Science, Mathematics, Space, Astronomy.
- d. In accordance to its objective, KNAW-AIPI wishes to encourage lateral mobility and cross-fertilization between higher learning and research institutions in Indonesia. Preferably, the Academy Professorial Chair will be filled by a candidate from outside of the host University. In relation to the existing regulations of the Directorate General of Higher Education that govern the appointment of a professor, the Academy Professor shall be regarded as a *Gurubesar*

*Luarbiasa* of the host University. The Academy Professor should, therefore, fulfil the requirement for such appointment.

- e. In relation to the higher learning or research institution to which the Academy Professor is formally associated (in this document referred to as ‘the home institution’), an arrangement shall be negotiated for the temporary release of the appointee, preferably under secondment but alternatively under a leave without pay arrangement, to allow him/her to take up the Academy Professorship.
- f. The Academy Professor will be given an opportunity to devote three to five years of his/her career to scientific research and teaching, which should have a major positive impact on the strengthening of science in his/her field of expertise, for the host university in particular, and for Indonesia in general. The Academy Professor should be exempted from administrative and management tasks. The Academy Professor is expected to arrange workshops and should frequently visit other universities in Indonesia to deliver guest lectures.
- g. The Academy Professor appointment will be made for an initial period of three years. Subject to a satisfactory review, a further term of two years could be made. At the end of the appointment, the host University shall review its continuing need for the Chair, and decide whether to abolish or retain the Chair. In the latter case, the appointee could revert to a normal *Gurubesar Luarbiasa* appointment, funded by the University, or appointed to an ordinary university professorship. An essential element of the API scheme is an arrangement to ensure that the Academy Professor could return to his/her original institution and position at the end of his/her terms as an Academy Professor. KNAW, AIPI and the host University have no legal obligation to employ the appointee beyond the terms of the Academy Professorship.
- h. The Academy Professor will receive a monthly salary equivalent to € 1,000 and in addition an annual contribution of € 12.000 towards research costs and research-related travel expenses. KNAW-AIPI assign the day-to-day organisation and management of the Academy Professorship Indonesia to KITLV in Jakarta.
- i. During the tenure of the Academy Professor, the Academy Professorship Indonesia Programme will contribute two (post-doc) apprentices for the benefit of both the home institution and the host university. Their recruitment is the responsibility of the Academy Professor. Each apprentice will receive a financial contribution of € 250 per month. At the home institution the apprentice may take over the teaching obligations of the Academy Professor to compensate for the temporary ‘loss’ of the Academy Professor. At the host university the apprentice will assist the Academy Professor with his/her research and will secure the continuation of the research ideas and acquired knowledge after the Academy Professor’s tenure has ended.
- j. KNAW and AIPI recommend that the home institution and the host university draft an agreement regarding intellectual property rights (IPR) and that they do so in consultation with the relevant policy office of their institutions. KNAW and AIPI will not hold any claims on the intellectual property rights derived from the research undertaken by the Academy Professor .

## **2. FORMAL REQUIREMENTS**

Candidates for the Academy Professorship Indonesia should hold a PhD degree in a relevant scientific discipline and should have distinguished themselves by their scientific or scholarly achievements. They should hold the Indonesian nationality and should reside in Indonesia. The candidate should preferably not be older than 50.

## **3. SELECTION AND PROCEDURE**

In order to maintain strict impartiality, AIPI-KNAW appoint a selection committee to advise their boards on the selection of the Academy Professor candidate (API-committee), consisting of leading scholars and professionals in the field. The API-committee consists of eight members, its composition representing KNAW (2 members), AIPI (2 members), two natural scientists external to the above, and two representatives of the Indonesian Ministry of Research and Technology and Higher Education (Menristek Dikti).

Members of the API-committee are not eligible for an Academy Professorship Indonesia. The selection procedure is a combination of nomination and competition and will consist of two phases.

### **3.1 First Phase: nomination**

Eligible candidates may be nominated to the API-committee by members of relevant departments/commissions of KNAW and AIPI, by the deans of relevant faculties of universities in Indonesia and the Netherlands, and by prominent scientists on the invitation of the API-committee. Nominations are confidential and must be submitted in English to the committee before 1 May 2015. Self-nomination is not allowed. Nominations should be as comprehensive as possible and contain the following information:

1. *Nominator*
  - a. Full name and title(s)
  - b. Contact details (address, telephone, fax, e-mail)
2. *Candidate*
  - a. Full name and title(s)
  - b. Birth date
  - d. Contact details (address, telephone, fax, e-mail)
  - e. Present position
3. *Substantiation of the nomination*
4. *Resume of the candidate's academic and professional career*
5. *A list of the candidate's most characteristic publications*
6. *The ideal host institution for your candidate.*

The API-committee will assess the nominations and draft a shortlist of maximum five candidates. These candidates will be approached by the secretary of API on behalf of the boards of KNAW and AIPI, and asked if they would be willing to enter the second phase of the selection procedure. If a candidate rejects the invitation, the Boards of the Academies may ask the API-committee to provide an alternative candidate. The identities of the selected candidates are only known to the API-committee and will not be made public.

### **3.2 Second phase: competition**

The second phase in the selection procedure is based on comparative competition. The (maximum five) pre-selected eligible candidates are invited to submit proposals for an Academy Professorship Indonesia, based on the *Guidelines for Proposals for Academy Professorships Indonesia*. API-proposals must be submitted in English to the API-committee before 1 August 2015. The Boards of the Academies will make their decision on the API-candidate known before 15 September 2015.

### **3.3 Third phase: agreement with proposed host university**

The appointment of the selected API-candidate is conditional upon an agreement being reached between the API-candidate and the host university (and the candidate's home university if applicable). Both academies vouch to expend their best efforts in order for such an agreement to be reached.

## **4. ASSESSMENT CRITERIA**

The assessment of the candidates will be done according to the following criteria:

1. *The candidate's unique contribution to the development of his/her discipline.*
  - a. The quality and quantity of the candidate's research achievements;
  - b. The candidate's view of future developments in his/her discipline.
2. *The (inter)national recognition of the candidate.*
  - a. The candidate's reputation in the domestic and/or international scientific communities;
  - b. The candidate's (inter)national experience and expertise, as evidenced by contacts with (leading) researchers and institutes in Indonesia as well as in other countries.
3. *The candidate's capacity to generate financial means for research purposes.*
  - a. The candidate's skill in obtaining research funding as well as research contracts;
4. *The candidate's capacity to attract, inspire and supervise talented young researchers.*

- a. The candidate's capacity to attract talented young researchers and leading visiting lecturers from Indonesia as well as from other countries;
- b. The candidate's capacity to motivate, inspire and stimulate, MSc and PhD (S3) students and junior researchers;
- c. The candidate's demonstrable qualities and experience in the training and supervision of junior researchers.

In case candidates obtain the same ranking, preference will be given to (a) younger and (b) female candidates.

## **5. ORGANISATIONAL BACKGROUND AND OBJECTIVES**

### **Scientific Programme Indonesia – Netherlands**

#### **5.1 Policy Framework of the Scientific Programme Indonesia - Netherlands**

The Scientific Programme Indonesia – Netherlands (SPIN) is a programme for bilateral scientific research cooperation between Indonesia and the Netherlands, which is managed by the Royal Netherlands Academy of Arts and Sciences (KNAW) within the formal framework set by the governments of both countries. The programme has been running successfully since 2000. The policy framework for SPIN is set by the Memorandum of Understanding (MoU) between the Netherlands and the Indonesian governments, signed by the Netherlands Minister of Education, Culture and Science (OCW) and the Indonesian Minister of Research and Technology (MoRT), by the terms of Agreement of the Joint Working Committee Indonesia – the Netherlands on Scientific Cooperation (JWC) and of the four-parties Memorandum of Understanding between the Indonesian Academy of Sciences (API), the Indonesian Institute of Sciences (LIPI), the Netherlands Organisation of Scientific Research (NWO) and the KNAW. These documents can be downloaded from the KNAW website ([www.knaw.nl/indonesia](http://www.knaw.nl/indonesia)).

#### **5.2 The Memorandum of Understanding**

The MoU signed in 2002 by the ministers of OCW and MoRT reconfirmed the long standing tradition of scientific cooperation between Indonesia and the Netherlands and recalled the MoU between

OCW and MoRT of 1992. The MoU describes the policy contour of scientific cooperation based on equality and mutual benefit and the forming of a Joint Working Committee to emphasize the cooperation between both governments.

#### **5.3 The Joint Working Committee**

The Netherlands and Indonesia are represented in the JWC by organisations for basic, strategic and applied research as well as by universities and ministries. The members in the Netherlands are KNAW (coordinating organisation), NWO, RVO / Ministry of Economic Affairs, the Association of

Universities (VSNU), the Netherlands Organisation for International Cooperation in Higher Education (Nuffic) and the Netherlands side of the Indonesia-Netherlands Higher Education Platform (INHEP). The members in Indonesia are MoRT (coordinating organisation), AIPI, LIPI, the Agency for the Assessment and Application of Technology (BPPT), the National Research Council (DRN) and the Indonesian side of INHEP. The JWC is a strategic discussion forum, which serves to coordinate bilateral Science and Technology (S&T) cooperation between Indonesia and the Netherlands and to advise the governments of both countries as well as society at large, on matters related to such cooperation. In fulfilling these tasks the JWC's primary objective is to further develop and strengthen S&T cooperation between Indonesia and the Netherlands both in terms of human as well as organisational capacity.

The JWC focuses on four broad scientific areas, which are:

- 1) Food and Health;
- 2) Technological Innovations and Applied Sciences;
- 3) Ecosystems, Climate and Environment;
- 4) Social Sciences and Humanities.

#### **5.4 Memorandum of Understanding AIPI – LIPI – KNAW – NWO**

Within the formal framework set by the governments of Indonesia and the Netherlands, AIPI, LIPI, NWO and KNAW together signed a new MoU for scientific cooperation on August 31, 2004, encompassing existing MoUs between the individual organisations or their sub divisions. Under this MoU, the parties aim:

to increase and strengthen scientific research cooperation between scientific institutions from Indonesia and the Netherlands in an efficient, collaborative and focused manner, making use of each others' existing (international) scientific networks and infrastructure; and

to promote long term scientific capacity building, sustainable scientific networks and partnership, knowledge transfer and dissemination of science.

Within this MoU, KNAW and AIPI have launched the Academy Professorship Indonesia (API).

#### **5.5 Memoranda of Understanding AIPI-KNAW**

Between AIPI and KNAW separate MoUs for scientific cooperation have been concluded, the latest signed on 28 January 2014. In this MoU specific mention is made of the Academy Professorship Indonesia programmes:

establishing and maintaining Indonesian Academy Professorships, as stipulated in the Scientific Programma Indonesia Netherlands (SPIN) Work programme.



## 5.6 SPIN 2012 - 2017

The first phases of SPIN (2000 – 2005 and 2006 - 2011) consisted of research programmes, mainly dedicated to PhD students and postdocs from the Netherlands and Indonesian PhD students. The first phase was later reinforced with a Mobility Programme for short-term training and exchange activities. The second phase introduced focussed Priority Programmes and a dedicated Post Doc Programme.

The new phase of SPIN (2012-2017) has been designed with a view to strengthening the S&T capacity building component of the programme. It comprises the following components:

- 8 Integrated SPIN Joint Research Projects (JRP's);
- Joint Thematic coordination Projects between the JRP's in the theme of Social and Economic Development and in the theme of Infectious Diseases and Health
- The Academy Professorship Indonesia;
- Biannual Open Science Meetings

## 5.7 Overall objective

The overall objective of SPIN is:

*To stimulate and fund long-term scientific cooperation between researchers and research consortia from Indonesia and the Netherlands, through integrated bilateral research programmes and supporting activities, based on the principles of reciprocity and mutual benefit, granting Netherlands' and Indonesian researchers access to scientific resources and research areas.*

## 5.8 Specific objectives

KNAW has identified a number of important issues that need to be addressed in plans for further scientific cooperation with Indonesia and which build on the good practices embedded in the earlier two phases of SPIN (2000 - 2005 and 2006-2011). For the period 2012 – 2017, SPIN will work with the following specific objectives:

To establish integrated Joint Research Projects in the following three broad thematic areas: Infectious Diseases and Health; Social and Economic Development; Food, Non-Food and Water Research

To institutionalise the Indonesian – Netherlands cooperation and to create critical scientific mass, especially in Indonesia

To provide research training and to foster Human Scientific Capacity

To support embedding of PhDs in the Indonesian science system

To explore and start new joint research initiatives

To foster scientific curiosity and an academic culture, and to increase societal awareness of science in Indonesia

To foster multilateral research partnerships and funding opportunities and to increase the international orientation of science in Indonesia

## 6. SUBMISSION AND FURTHER INFORMATION

Nominations (first selection phase) and proposals (second selection phase) should be submitted to the API-secretariat. The API-programme brochure, the nomination form (first phase), the application form (second phase) and the *Guidelines for Applications for Academy Professorship Indonesia* are available from the KNAW website ([www.knaw.nl/academyprofessorindonesia](http://www.knaw.nl/academyprofessorindonesia)), and from the API-secretariat.

Further information on the Programme can be obtained from the API-secretariat.

### Address

API-secretariat  
c/o KITLV-Jakarta  
Jl. H.R. Rasuna Said Kav S-3  
Jakarta 12950  
Indonesia  
email: [kitlv.jkt@library.leidenuniv.nl](mailto:kitlv.jkt@library.leidenuniv.nl)  
Fax: +6221 5275987

## 7. THE NOMINATION FORM: EXPLANATORY NOTES

**Reference number:** to be assigned by the secretariat

### 1. Nominator

Please provide your name and contact details

### 2. Nominee

Provide the name, contact details and present position of the Indonesian candidate you wish to nominate (self nomination is not allowed). The candidate must hold a PhD degree and must be considered *professor able* in a field of Natural Sciences

### 3. Substantiation of nomination

Please provide a motivation for the reason why you consider your nominee the best candidate for this rotating professorship

#### **4. Resume of the candidate's academic and professional career**

Please provide to the best of your knowledge a relevant concise resume of your nominee, including at least information on the following:

**a. (Latest) Positions held.** What are the other positions held or previous positions held by the nominee that might be relevant to judge the candidacy

**b. Relevant scientific education.** Describe the relevant education received by the nominee: where, when (approximately) and with what result

**c. Most significant achievements.** What relevant achievements of your nominee do you consider most remarkable and must be taken into consideration in the assessment procedure

#### **5. Nominee's most characteristic publications**

Please provide references to the nominee's (international peer reviewed) scientific publications that are relevant for this nomination

#### **6. Preferred host university for nominee**

This could be a university with which the nominee already has established a research cooperation. Please provide also name and email of a relevant contact person at that university.

#### **Signature**

Please sign the hard copy of your nomination. Electronic or scanned signatures are not allowed.

#### ***Please submit the complete nomination to KNAW:***

An electronic form by email to [jkt.kitlv@library.leidenuniv.nl](mailto:jkt.kitlv@library.leidenuniv.nl)

**before 1 May 2015**

Please do also send a hardcopy, see below.

A signed hardcopy to be sent to:

API-secretariat

c/o KITLV-Jakarta

Jl. H.R. Rasuna Said Kav S-3

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**before 7 May 2015**