



Australia Awards

Australia Awards Indonesia

Short Term Award Application Pack

Aquaculture Benchmarking



Goals and purpose of Australia Awards Indonesia

The Australia Awards are prestigious international Scholarships and Short Term Awards funded by the Australian Government. They offer the next generation of global leaders an opportunity to undertake study, research and professional development in Australia. The goals and purpose of Australia Awards Indonesia are underpinned by five clearly defined program outcomes relating to the benefits gained by the Indonesian alumni through the award experience. These include: the alumni's use of knowledge, attitude and skills to influence their professional fields and communities; the linkages between the alumni and Australian organisations, Australians; and the positive perceptions that Alumni have of Australia and Australians.

Course Name

Aquaculture Benchmarking

Course objectives

Indonesia is the second largest marine fisheries producer in the world¹. Aside from capture fisheries, aquaculture has played an important role in contributing to Indonesia's production of fisheries. It is practiced in fresh, brackish, and marine water and a wide range of species (including fish and shrimp), facilities, and methods are employed. Aquaculture significantly contributes to the Indonesian food security, employment, and export market².

The Indonesian Government's 2014-2019 Middle Term National Plan states the national goal to reclaim itself as a maritime nation. A specific emphasis is placed on the development of the coastal areas and the fisheries sector. The 2014-2019 Strategic Plan of the Ministry of Maritime Affairs and Fisheries describes how environmental issues, such as climate change, pollution and deterioration of ecological systems could threaten the sustainability of the Indonesian aquaculture sector. The Strategic Plan calls for, among others: (1) improvements to environmentally-friendly aquaculture practices, (2) control of fish and crustacean pathogens and diseases, (3) cultivation of superior local species commodities, and (4) cultivation of fish varieties that can withstand environmental changes. Overall, the Indonesian Government seeks to increase aquaculture production to support domestic food security and expand its exports³.

In the area of aquaculture technology, the Strategic Plan notes that the Government has been successful in cultivating several commercial species such as snapper, grouper and ornamental fish. The Aquaculture Broodstock Center has produced superior brood stock varieties and high quality seed. Indonesia has also produced vaccines, probiotics, and immune stimulant for fish/shrimp, published Indonesian National Standards for aquaculture and built fish health and environmental laboratories for early detection of fish disease. The current mission for aquaculture development, according to the Strategic Plan, is to increase local capacity in managing aquaculture resources; create competitive aquaculture products through innovative technologies, and to utilise aquaculture resources in a sustainable manner.

¹ The State of World Fisheries and Aquaculture 2016: Contributing to food security and nutrition for all. Rome: FAO, 2016.

² National Aquaculture Sector Overview: Indonesia. FAO: 2017.

³ <http://www.djpb.kkp.go.id>

The proposed benchmarking short term award will explore Australian research, technology and expertise, both public and private, with particular emphasis on technology that can be readily and easily applied in the Indonesian context. The research and technology may be in areas, such as water and ecosystem management, feed sources, feeding and nutrition, brood stock management, disease control, biosecurity, and supply chains. The course will provide Indonesian government and private sector representatives with an opportunity to learn what Australian organisations, both research bodies and commercial entities, has to offer in research and technology and how Indonesian practitioners can acquire these services.

The learning objectives of the course are participants' improved skills and ability to:

- Identify and understand the current Australian systems and technologies used in aquaculture
- Understand the latest trends in the Australian aquaculture research, technology and expertise, both public and private, with particular emphasis on technology that can be readily and easily applied in the Indonesian context
- Understand how to purchase specific services
- Benchmark the latest trends and exchange ideas between Indonesian and Australian aquaculture sectors
- Identify needs/gaps/challenges in aquaculture technology and research (incl. in water and ecosystem management, feed sources, feeding and nutrition, brood stock management, disease control, biosecurity and supply chains)
- Identify ways to respond to the areas outlined in Ministry of Marine Affairs and Fisheries' strategic plan through innovations in research and technology
- Identify and understand environmental considerations and potential risks related to aquaculture projects and how to mitigate against such risks, including by establishing environmental assessment processes.
- Identify ways to increase collaboration between the operators in the Indonesian and Australian aquaculture industry
- Identify ways to increase bilateral commercial engagement, including by creating opportunities for Australian firms to provide services to Indonesian entities
- Develop networks with individuals, organisations and research programs to improve engagement, collaboration and business opportunities

To achieve these outcomes, the proposed course offers a structured learning process for participants that will utilise a range of learning methodologies:

- Classroom sessions
- Case studies
- Site visits to private sector companies, Australian government (primarily state-level) agencies, professional associations and other relevant agencies
- Workshops, discussion, and planning sessions
- Simulations and role plays
- Networking events
- Award Project model used across all Australia Awards Indonesia Short Term Awards (participants develop a project, conduct required analyses, present the project at pre-course workshop, further develop the project during the course and present the implemented project at the post-course workshop)

Dates and location

The course will be delivered over a **2-week period in Australia**. A pre-course workshop will be held in Indonesia approximately four weeks prior to the commencement of the course. A reintegration workshop will be held in Indonesia approximately 3 months after participants return from Australia. The course schedule is:

- Pre-Award Workshop in Indonesia: 10-12 April 2018
- Course in Australia: 30 April-11 May 2018
- Post-Award Workshop in Indonesia: 18-20 September 2018

Participants

The course will be offered to **25 participants** from the following participating organisations:

- 1) Coordinating Ministry of Maritime Affairs
- 2) Ministry of Marine Affairs and Fisheries
- 3) Private Companies in relevant sector
- 4) Industry associations in relevant sector
- 5) Universities and research institutes in relevant sector
- 6) Provincial Governments with relevant experience

Course participant profile:

- Staff to Echelon II level for government official candidates; or
- Managerial level for private sector candidates;
- Having at least three years of experience in aquaculture and maritime;
- Holds a minimum Bachelor degree;
- Participant selection endorsed by the supervisor;
- Commitment to prepare and implement an Award Project as part of the course;
- Commitment to engage actively and foster networks with multiple stakeholders;
- Commitment to disseminate learning from the course with colleagues and peers.

Participants will be selected via a competitive selection process.

Women and people with disability are strongly encouraged to apply.

Eligibility

In general candidates must:

- be an Indonesian citizen and be residing in and applying for the scholarship from Indonesia
- be a minimum of 18 years of age at the time of commencing the STA;
- not have Australian permanent residence status or be applying for permanent residency;
- be a citizen of and residing in Indonesia;
- not be married or engaged to, or be a de facto of a person who holds, or is eligible to hold, Australian or New Zealand citizenship or permanent residency at any stage of the application, selection, mobilisation processes or while on-scholarship in Australia;
- have been working in Indonesia and in an area relevant to the STA preceding the date of the proposed commencement of the STA;

- be able to satisfy all requirements of the Department of Immigration and Border Protection for a visa;
- be able to participate in the nominated STA activities at the time and for the duration proposed by Australia Awards;
- be able to satisfy all requirements of the Department of Immigration and Border Protection (DIBP) for a DFAT student visa;
- satisfy Australian Government requirements for international student entry to Australia (health, character etc); and
- be able to travel without family members as DFAT will only fund and provide visa support letters for individual participants, not their family members

Application Form

Please find enclosed an application form (MS Word). Please fill in the required fields, attach the documents indicated in application document checklist and return to the contact email identified in the application submission details section.

Application Submission Details	
Deadline	Friday, 24 February 2018 (<i>application logged in to Australia Awards in Indonesia system</i>)
Online Application	https://www.cognitoforms.com/AustraliaAwardsInIndonesia1/ShortTermsAwardsAquacultureBenchmarking
Enquiries	shorttermawards@australiaawardsindonesia.org (<i>please write in the subject line: “Aquaculture Benchmarking”</i>)
Phone	(021) 527 7648

