1. Tuliskan nama program studi yang diusulkan

Dalam Bahasa Indonesia : Manajemen Usaha Budidaya Perikanan

Dalam Bahasa Inggris : *Management of Aquaculture Businesses*

1. Tuliskan nama program studi sejenis yang diselenggarakan oleh *civitas academica* internasional dan jenjangnya (misal *bachelor*, *bachelor of honor*, *master*, Ph.D), **minimal** dari tiga perguruan tinggi internasional yang kredibel berserta informasi rujukannya. *(Tuliskan tautan lamannya yang dapat diakses sewaktu dievaluasi)*.

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| No | Nama Perguruan Tinggi | Nama Program Studi | Jenjang | Informasi Rujukan |
| 1 | Flinder University | Master of Science Aquaculture | Master : 2,1 years | <https://www.hotcourses.co.id/study/course/australia/master-of-science-aquaculture/54439754/program.html?nationCode=88&nationCntryCode=88&fromPage=PR&position=3> |
| 2 | University of Plymouth | Msc Sustainable Aquaculter | Master : 1 years | <https://www.hotcourses.co.id/study/course/uk/msc-sustainable-aquaculture/52391234/program.html?nationCode=88&nationCntryCode=88&fromPage=PR&position=1> |
| 3 | University of Tasmania | Master of Applied Science in Aquaculture | Master : 1-2 years | <https://www.hotcourses.co.id/study/course/australia/master-of-applied-science-aquaculture/57051784/program.html?nationCode=88&nationCntryCode=88&fromPage=PR&position=1> |
| 4 | James Cook University | Master of Science Majoring in Aquaculture Science and Technology | Master : 1,5 years | <https://www.hotcourses.co.id/study/course/australia/master-of-science-majoring-aquaculture-science-and-technology/55141052/program.html?nationCode=88&nationCntryCode=88&fromPage=PR&position=1> |
| 5 | University of Stirling | Msc Sustainable Aquaculture | Master : 1 years | <https://www.hotcourses.co.id/study/course/uk/msc-sustainable-aquaculture/52316548/program.html?nationCode=88&nationCntryCode=88&fromPage=PR&position=2> |

1. Tuliskan sedikitnya 3 (tiga) jurnal saintifik dan/atau masyarakat saintifik dalam rujukan pengembangan keilmuan. *(Tuliskan tautan lamannya yang dapat diakses sewaktu* *dievaluasi)*

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| 1. Aquaculture Nutrition : <https://onlinelibrary.wiley.com/journal/13652095>  2. World Aquaculture Society : <https://onlinelibrary.wiley.com/journal/17497345>  3. Aquacultuer engineering : <https://www.sciencedirect.com/journal/aquacultural-engineering>  4. Journal of Applied Aquaculture : <https://www.tandfonline.com/toc/wjaa20/current>  5. Aquaculture International : <https://link.springer.com/journal/10499/20/6/page/1>  6. Journal of Palnkton Research : <https://academic.oup.com/plankt>  7. Aquaculture : <https://www.journals.elsevier.com/aquaculture> |

1. Jelaskan capaian pembelajaran *(learning outcomes)* dari minimal tiga program studi rujukan pada butir 2 di atas *(Tuliskan tautan lamannya yang dapat diakses sewaktu* *dievaluasi*

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| Nama PT (1) | Flinder University |
| Nama Program | Master Of Science Aquaculture |
| Jenjang | Master |
| Capaian Pembelajaran | 1. Proficiently apply advanced skills and comprehensive theories in global aquaculture to solve problems; 2. Apply an in-depth understanding of aquaculture nutrition, water quality, reproduction, production quality and health for the management of global aquaculture operations 3. Apply advanced numerical skills relevant to aquaculture production 4. Use advanced business skills to autonomously manage complex aquaculture operations 5. Understand and proficiently apply the established production protocols and marketing procedures of aquaculture industry in a professional situation 6. Communicate effectively with other aquaculture professionals and the wider community using a range of methods 7. Plan and execute a research project in aquaculture 8. Work and learn independently |

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| Nama PT (2) | University of Plymouth |
| Nama Program | Msc Sustainable Aquaculture |
| Jenjang | Master |
| Capaian Pembelajaran | 1. Develop an appreciation for the growing aquaculture industry within a sustainable agenda for meeting the needs of culturing fish, crustacean, mollusc, aquatic plants and invertebrates for their products.  2. Gain experience of the aquaculture industry from a range of field trips, including a residential field trip in Greece (costs are included in the tuition fees), to hatcheries, farms and other related facilities.  3. Have a rich research group working on various aspects of nutrition, health, disease, behaviour, microbiomes and welfare of species of fish, crustaceans and molluscs of commercial relevance.  4. Undertake a variety of projects and technical training with our contemporary facilities such as wet labs/aquaria, nutrition and feed analytical suites as well as teaching laboratories, molecular biology and an electron microscopy centre.  5. Gain access to expertise from leaders in industry and commerce in a variety of aquaculture systems, advancing your technical and scientific knowledge.  6. Graduate opportunities include various career paths within the aquaculture industry as well as associated fields relating to fish and shellfish health, welfare and research. Previous graduates have progressed into careers in these fields or PhD programmes in the UK, Europe, Asia and Africa. |

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| Nama PT (3) | University of Tasmania |
| Nama Program | Master of Applied Science in Aquaculture |
| Jenjang | Master |
| Capaian Pembelajaran | 1. Cognitive skills to demonstrate mastery of theoretical knowledge and to reflect critically on theory and its application  2. Cognitive, technical and creative skills to investigate, analyse and synthesise complex information, problems, concepts and theories and to apply established theories to different bodies of knowledge or practice  3. Cognitive, technical and creative skills to generate and evaluate complex ideas and concepts at an abstract level;  4. Cognitive and technical skills to design, use and evaluate research and research methods communication and technical skills to present a coherent and sustained argument and to disseminate research results to specialist and non-specialist audiences;  5. Technical and communication skills to design, evaluate, implement, analyse, theorise and disseminate research that makes a contribution to knowledge |

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| Nama PT (4) | James Cook University |
| Nama Program | Master of Science Majoring in Aquaculture Science and Technology |
| Jenjang | Master |
| Capaian Pembelajaran | 1. Students learn the principals of tropical aquaculture and gain technical skills in the world’s fastest-growing food production sector. Focusing on fish, shellfish and pearls, students develop a theoretical and practical understanding of the science of fish farming.  2. Build professional skills for working in research, stock improvement, and the harvesting and processing of product. Experience learning in the state-of-the-art JCU Marine Aquaculture Field Station and participate in placements with industry partners. |

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| Nama PT (5) | University of Stirling |
| Nama Program | Msc Sustainable Aquaculture |
| Jenjang | Master |
| Capaian Pembelajaran | 1. Explore the commercial business of sustainable aquaculture, with optional modules covering marketing, business studies and economics.  2. Can learn the skills necessary to establish, manage and appraise aquaculture enterprises and development projects from within the industry or public sector.  3. In recent years our research has focused on increasing the sustainability and security of aquaculture development and practice, and on improving the efficiency of utilising natural resources. |

1. Uraikan **kajian perbandingan** antara tiga capaian pembelajaran *(learning outcomes)* dari minimal tiga program studi

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| Flinder University memiliki Learning outcomes tentang pemahaman dalam keterampilan teknologi maupun teori tentang manajemen akuakultur dari segi nutrisi, kualitas air, reproduksi, kualitas produksi dan kesehatan ikan dalam pengelolaan budidaya perikanan secara global. Selain itu memiliki pemahaman tentang manajemen prosedur pemasaran industry akuakultur dengan berkomunikasi menggunakan beberapa metode secara efektif dan professional terhadap masyarakat luas. University of Plymouth memiliki learning outcome tentang pengembangan industry budidaya perikanan seperti crustacea, pisces, Mollusca, tanaman air dan invertebrate. Upaya pengembangan dilakukan dengan mengelompokkan peneliti akuakultur dari segi pemeliharaan, nutrisi, Hama dan penyakit ikan serta mikrobioma. Selain itu melakukan pelatihan teknis dengan fasilitas kontemporer seperti lab basah, laboratorium pengajaran biologi molekuler dan pusat mikroskop electron. James Cook University memiliki learning outcome tantang prinsip-prinsip manajemen akuakultur dan keterampilan teknis di sector produksi pangan yang paling cepat berkembang di dunia dengan berfokus pada ikan, kerang Mutiara melalui pemahaman teoritis tentang ilmu budidaya ikan serta membangun keterampilan professional untuk bekerja dalam penelitian, peningkatan stok, pemrosesan produk dan pemanenan. Perbandingan Ketika program studi tersebut mengarah pada sama-sama memiliki keterampilan dalam manajemen budidaya perikanan di era global. |

1. Jelaskan kualifikasi dosen tetap pada program studi yang penamaannya diusulkan. *(Tuliskan tautan lamannya yang dapat diakses sewaktu dievaluasi).*

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| 1. Memiliki ijazah minimal S2 Perikanan/ S2 Teknologi Budidaya Perikanan/ Perairan  2. S2 Teknologi Budidaya Perikanan/ Perairan |

1. Kajian rumpun kelimuan dan badan pengetahuan dari program studi yang diusulkan. *(Tuliskan tautan lamannya yang dapat diakses sewaktu dievaluasi).*

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| Program studi yang diusulkan termasuk rumpun ilmu hewani dengan sub rumpun Ilmu Perikanan bidang teknologi budidaya perikanan :  <http://simlitabmas.ristekdikti.go.id/Docs/Panduan/lampiran%20umum/Lampiran%20A.%20Daftar%20Rumpun%20Ilmu.htm> |

1. Justifikasi level KKNI dan program pendidikan tinggi yang diusulkan (Diploma 1, Diploma 2, Diploma 3, Sarjana, Sarjana Terapan, Profesi, Spesialis, Sub Spesialis, Magister, Magister Terapan, Doktor, Doktor Terapan).

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| Diploma IV (level 6) KKNI Mampu mengaplikasikan bidang keahliannya dan memanfaatkan ilmu pengetahuan, teknologi budidaya perikanan pada bidangnya dalam penyelesaian masalah serta mampu beradaptasi terhadap situasi yang dihadapi, dan kemampuan manajerial yang dimiliki. Mampu mengambil keputusan yang tepat berdasarkan analisis informasi dan data, dan mampu memberikan petunjuk dalam memilih berbagai alternative solusi secara mandiri dan kelompok. Bertanggung jawab pada pekerjaan sendiri dan dapat diberi tanggung jawab atas pencapaian hasil kerja organisasi. Capaian Pembelajaran :  1. Mampu menerapkan IPTEKS dan pengelolaan di bidang budidaya perikanan dalam penyelesaian masalah di bidang tersebut secara adaptif.  2. Menguasai konsep teoritis di bidang budidaya perikanan secara umum dan mampu memformulasikan penyelesaian masalah secara prosedural. |