Dr. Nur Ducha, S.Si M.Si

Position as a:

Lecturer in Animal Structure and Development, Animal Reproduction, Biotechnology, Microtechnique

ACADEMIC CAREER

Degree	University	Year
Bachelor Program at Faculty of Animal Science	Universitas Airlangga, Indonesia	1990 – 1995
Master Program at Faculty of Animal Science	Universitas Gadjah Mada, Indonesia	1999 – 2002
Doctoral program in Animal Husbandry	Universitas Brawijaya, Indonesia	2009 - 2013
Sandwich Program for Doctoral Program	Monash University, Australia	November 2010 – January 2011

EMPLOYMENT

Position	Employee at	Period
Government employee at Ministry of National Education as a Unesa Institution Lecture	Universitas Negeri Surabaya, Indonesia	1997 – now
Doctor on Biology at Biology Department, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2013 – now
Laboratory Suh Head of Structure and Development, Biology Department, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2013 – 2015
Staff of Quality Assurance Unit at Biology Department, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2014 – 2015
Head of Biology Study Program at Biology Department, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2016 – 2018

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EMPLOYMENT

Position	Employee at	Period
Head of Biology Study Program, Biology Department, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2019 – now
Department Secretary of Biology Department, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2019 – now

R&D PROJECTS OVER THE LAST 5 YEARS

Project(s)	Amount of financing
▪ **2019:** Study of Storage Potential at Low Temperature, Protein Profile and Genetic Stability of Senduro Goat Spermatozoa in Simple Semen Diluents **Basic Research, PNBP Unesa** **Position:** Project Leader	
▪ **2019:** Optimalization of Semen Diluent Formula of Senduro Goat for Storage at 4-5 ° C **Research Program of faculty of Mathematics and Science Faculty** **Position:** Project Leader	IDR 10.000.000
▪ **2018:** Implementation of Biology and Biology Education Study Program Curriculum in Biology Department, Faculty of Mathematics and Natural Sciences, UNESA **Research Program of FMIPA, Unesa** **Position:** Team member	IDR 10.000.000
▪ **2018:** Formulation of Semen Diluent of Senduro Goat for Storage at Low Temperature **Research Program of FMIPA, Unesa,** **Position:** Project Leader	IDR 10.000.000
▪ **2017:** Analysis of Tissue Damage in Amynthas Robbustus Living on Area That Pollution with Pb and Cr **Research Program of FMIPA, Unesa** **Position: Team member**	IDR 10.000.000
▪ **2017:** Pengaruh Pemberian Pakan Tambahan Terhadap Aktifitas Harian dan Performans Reproduksi Lovebird di Pusat Pemeliharaan Burung FMIPA Unesa **Penelitian Kebijakan Fakultas MIPA, Unesa,** **Position:** Project Leader	
▪ **2016**: Formulasi Pengencer Semen Kambing Yang Sederhana dan Aplikatif untuk Penyimpanan Dalam Suhu Refrigerator dan Pembekuan, Hibah **Penelitian Unggulan Perguruan Tinggi, Dana, tahun pertama** **Position**: Team member	IDR 150.000.000

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R&D PROJECTS OVER THE LAST 5 YEARS

Project(s)	Amount of financing
▪ **2016:** Optimalisasi Kualitas Pengencer CEP dengan Modifikasi Krioprotektan dan Serum Plasma Darah untuk Penyimpanan Spermatozoa sapi lokal pada suhu Refrigerator **Penelitian Hibah Bersaing, Ristekdikti,** tahun ketiga **Position: Project Leader**	IDR 50.000.000
▪ **2015:** Formulasi Media Penyimpanan Spermatozoa Manusia Secara Sederhana Dan Analisis Stabilitas Materi Genetiknya Sebagai Alternatif Teknologi Penyimpanan Yang Mudah dan Murah **Hibah Penelitian Unggulan Perguruan Tinggi, Dana IDB, tahun kedua** **Position:** Team member	IDR 165.000.000
▪ **2015:** Optimalisasi Kualitas Pengencer CEP dengan Modifikasi Krioprotektan dan Serum Plasma Darah untuk Penyimpanan Spermatozoa sapi lokal pada suhu Refrigerator, **Penelitian Hibah bersaing, Ristekdikti, tahun kedua** **Position:** Project Leader	IDR 67.000.000

PATENTS AND PROPRIETARY RIGHTS OVER THE LAST 5 YEARS

Intellectual Property Rights Title / Theme	Year
1. **Method of Manufacture of CEP Extender Media for Storage of Bull Spermatozoa at Freezing Temperature**	2020
2. **Matematika IPA dan Aplikasinya dalam STEM (Science, Technology, Engeenering, and Mathematics) (HKI)**	2020
3. **Formulasi dan Metode Pembuatan Media Pengencer Tris Soya BSA (Bovine Serum Albumin) Untuk Penyimpanan Spermatozoa Kambing Pada Suhu Beku**	2021
4. **Histologi (HKI)**	2021

IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
The Dynamics of Science Literacy Ability of Biology Students in Histology Lectures Using Worksheets Based Science Literacy. Advances in Computer Science Research, volume 95; Mathematics, Informatics, Science, and Education International Conference (MISEIC 2019), **as first author**	2019

Dr. Nur Ducha, S.Si M.Si

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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Studi of Soya Addition in Tris Base Extender on The Quality of Senduro Goat Spermatozoa and Membrane Intebrity on Storage Temperature 4-5ºC. MSCEIS 2019, October 12, Bandung, Indonesia Copyright © 2020 EAI DOI 10.4108/eai.12-10-2019.2296357 Prosiding Seminar Internasional MSCEIS, **as first author**.	2020
Effect of Addition of Different Egg Yolks in Basic Tris Diluent on Quality, Integrity of Senduro Goat Sperm Membrane, and Free Radicals During 4-50 C Storage Temperature, International Conference on Science and Technology 2019 Journal of Physics: Conference Series 1569 (2020) 042081 IOP Publishing doi:10.1088/1742-6596/1569/4/042081, **as first author.**	2020
Application of Acetobacter Xylinum in The Production of Nata De Legen From Palmyra Palm Neera, IOP Conf. Series: Journal of Physics: Conf. Series 1108 (2018) 012098 doi :10.1088/1742-6596/1108/1/012098, **as co-author**.	2018
The test about blood serum capabilities in maintaining the quality of bull spermatozoa during storage in cep diluent at refrigerator temperature, IOP Conf. Series: Earth and Environmental Science 130 (2018) 012043, doi :10.1088/1755-1315/130/1/012043 Scopus indexed, ID: 55619610100, **as first author.**	2018
The Effectiveness of Different Diluent Media as the Storage Medium for Human Sperm: To Maintain Its Quality, Journal of Advanced Science Letters, Volume 23, Number 12, **as co-author**.	2018
Effect Egg Yolk in CEP Extender for Sperm Capacitation of Bull During Storage at Temperature 4–5 °C, Journal of Advanced Science Letters, Volume 23, Number 12, **as first author.**	2017
Karakteristik Aktifitas Harian *Lovebird* Jantan Sebelum dan Setelah Pemberian Sotong dan Biji Bunga Matahari, Prosiding Seminar Nasional Hayati, Universitas PGRI Kediri, **as first author.**	2017
The relationship of physical and chemical conditions of CEP diluent with egg yolk addition to bull spermatozoa quality before and after storage at temperature of 4-5°C, IOP Conf. Series: Journal of Physics: Conf. Series 953, (2017) 012208, doi :10.1088/1742- 596/953/1/012208 Scopus indexed, ID: 55619610100, **as first author.**	2017
Biokonservasi Plasma Nutfah Indonesia dengan Teknologi Penyimpanan Spermatozoa (sebagai Pembicara Utama), Makalah utama dalam Prosiding Seminar Nasional Biologi Unesa, **as first author**.	2017
Biokonservasi Plasma Nutfah Indonesia dengan Teknologi Penyimpanan Spermatozoa (sebagai Pembicara Utama), Makalah utama dalam Prosiding Seminar Nasional Biologi Unesa, **as first author.**	2016
Profil Respon Birahi Sapi Lokal setelah Induksi PGF2α pada Kondisi Awal yang Berbeda, Prosiding di Semnas Hasil-hasil Penelitian dan Pengabdian 2016, LPPM Unesa, **as first author.**	2016
The Effectiveness of different diluent media as the storage medium for human sperm: to maintain its quality, International Joint Conference of Science and Technology (IJCST), in Bali, **as first author.**	2016

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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Pengembangan Desain Kemasan Olahan Nata de Coco, Prosiding pada Semnas Hasil-hasil Penelitian dan Pengabdian, LPPM Unesa, **as first author**	2015
Viability of Human Sperm That Storage in The Different of Diluent Media, Proceeding in International Conference of Life Biology (ECOLIB), UNEJ, **as co-author**.	2015
Effects of Antioxidant different in CEP Diluent on Sperm Quality of Brahman Bull During Storage at Refrigerator Temperature, Proceeding in International Conference of Life Biology (ECOLIB), UNEJ, **as first author.**	2015

ACTIVITY IN SPECIALIST BODIES

Organization Role	Position	Year
Indonesian Biology Association	Member	2015 - now