Staff Handbook

<table>
<tr><td>Name</td><td>Firas Khaleyla, M.Si.</td></tr>
<tr><td>Position</td><td>Lecturer/Faculty Member</td></tr>
<tr><td>Academic Career</td><td>
<table>
<tr><th>Academic Appointment</th><th>Institution</th><th>Year</th></tr>
<tr><td>Master of Biology (Zoology)</td><td>Universitas Airlangga</td><td>2014</td></tr>
<tr><td>Undergraduate of Biology (Reproductive Biology)</td><td>Universitas Airlangga</td><td>2019</td></tr>
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<tr><td>Employment</td><td>
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<tr><th>No</th><th>Position</th><th>Employer</th><th>Period</th></tr>
<tr><td>1</td><td>Laboratory assistant (Histology Laboratory)</td><td>Universitas Airlangga</td><td>2018-2019</td></tr>
<tr><td>2</td><td>Lecturer</td><td>Universitas Negeri Surabaya</td><td>2019-now</td></tr>
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<tr><td>Research and development projects over the last 5 years</td><td>
<table>
<tr><th>No</th><th>Name of project or research focus</th><th>Period</th><th>Partners</th><th>Amount of Financing</th></tr>
<tr><td>1</td><td>Screening of Metabolite Content of Local Flora and Fauna to Explore Potential Alternative Therapies Degenerative Diseases</td><td>2021</td><td>-</td><td>IDR 25.000.000 (€1,295.44)</td></tr>
<tr><td>2</td><td>In-silico Bioavailability and NF-κB Activity Inhibition Test of Mangrove, Banyan, and Cermai Leaf Extract Metabolites</td><td>2022</td><td>-</td><td>IDR 20.000.000 (€1,036.35)</td></tr>
<tr><td>3</td><td>Potential of Bioactive Compounds of Elephant's Foot (Elephantopus scaber) Leaves as Anticancer Agents Through an In-Silico Test</td><td>2023</td><td>-</td><td>IDR 50.000.000 (€2,590.88)</td></tr>
<tr><td>4</td><td>Renoprotective Effect of Cermai Leaf Extract on Type 2 Diabetes Mellitus Mice</td><td>2023</td><td>-</td><td>IDR 20.000.000 (€1,036.35)</td></tr>
<tr><td>5</td><td>In Vivo Antidiabetic Activity of Elephant's Foot (Elephantopus scaber) Leaf Extract</td><td>2023</td><td>-</td><td>IDR 20.000.000 (€1,036.35)</td></tr>
<tr><td>6</td><td>Phyllanthus acidus Leaf Extract as an Immunomodulator in Type 1 Diabetes Mellitus</td><td>2024</td><td>-</td><td>IDR 20.000.000 (€1,036.35)</td></tr>
<tr><td>7</td><td>Android application (Pro-AA)-integrated Project-based Learning (PjBL) Model to Improve HOTS Question-Creating Skills for Prospective Elementary School Teachers</td><td>2025</td><td>-</td><td>IDR 200.000.000 (€10,363.52)</td></tr>
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<tr><td>Industry collaborations over the last 5 years</td><td>
<table>
<tr><th>No</th><th>Project title</th><th>Partners</th></tr>
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<tr><td>Patents and proprietary rights over the last 5 years</td><td>
<table>
<tr><th>No</th><th>Title</th><th>Year</th></tr>
<tr><td>1</td><td>Metabolit dan Penyakit Degeneratif (Metabolites and Degenerative Diseases)</td><td>2023</td></tr>
<tr><td>2</td><td>Paraffin Method for Animal Tissue Section Preparations</td><td>2021</td></tr>
<tr><td>3</td><td>Animal Physiology Online Practicum</td><td>2021</td></tr>
<tr><td>4</td><td>Flora and Fauna at the Banyu Urip Mangrove Center</td><td>2022</td></tr>
</table>
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<tr><td>Important publications over the last 5 years</td><td>Total number: 6 titles
1. N Nabilla, I Shofiyah, Sugiharto, D Alvitasari, S Sumarsih, F Khaleyla, I Wirawati, D Winarni. 2025. Organization, density, and content of collagen in the body wall of sea cucumbers Acaudina rosettis and Phyllophorus sp. Aquaculture and Fisheries 10(5), 816-824.
2. A Verangga, N Qomariyah, F Khaleyla. 2024. Effect of Averrhoa bilimbi Leaf Extract on Blood Glucose Level, Hepatosomatic Index (HSI), and Liver Histology of Diabetic Mice. HAYATI Journal of Biosciences 31(1)</td></tr>
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<ol start="3">
D Winarni, SA Eridianti, L Suhargo, F Khaleyla, I Wirawati. 2023. Podia histology and ultrastructure of tropical sea cucumber Phyllophorus sp.(Phyllophoridae) and Colochirus quadrangularis (Cucumaridae) from Madura Strait, Indonesia. Biodiversitas Journal of Biological Diversity, 24(10)
D Winarni, LID Lestari, A Hayati, N Nabilla, F Khaleyla. 2022. Sex Determination of Sea Cucumber Acaudina rosettis from Madura Straits, Indonesia. JRBA (Jurnal Riset Biologi dan Aplikasinya) 4(2)
F Khaleyla, EA Rohmah, KC Mulyatno. 2021. Susceptibility of Aedes aegypti larvae in East Java towards commercial Temephos at different doses. Jurnal Biologi Udayana 25(2)
R Ambarwati, DA Rahayu, F Khaleyla, Wisanti, EK Putri. 2021. Angiotensin-Converting Enzyme 2 (ACE2) of marine biota: a preliminary study of potential therapy for SARS-CoV-2 infection. Journal of Physics: Conference Series, 1747(1, 012004

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<tr><td>Activities in sepecialist bodies over the last 5 years</td><td>
<table>
<tr><th>Organization</th><th>Role</th><th>Period</th></tr>
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*Membership without a specific role need not be mentioned
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