

| Name | <i>Intan Syahbanu</i> | | | | | | | | | | | | | | | | | | |
|---|--|---|--|-------------|-----------------------------|-------------------------------|--|------|--|-----------------------|-------------------------|------|--|-----------------------|-------------------------|------|---|-----------------------|-------------------------|
| Post | <i>Physical Chemistry</i> | | | | | | | | | | | | | | | | | | |
| Academic career | <i>Initial academic appointment</i> | <i>Faculty of Mathematics and Natural Sciences, Universitas Tanjungpura</i> | <i>2012</i> | | | | | | | | | | | | | | | | |
| | <i>Post-doctoral qualification (subject)</i> | - | - | | | | | | | | | | | | | | | | |
| | <i>Doctorate (Chemistry)</i> | - | - | | | | | | | | | | | | | | | | |
| | <i>Master (Chemistry)</i> | <i>Institut Teknologi Bandung</i> | <i>2011</i> | | | | | | | | | | | | | | | | |
| | <i>Undergraduate degree (Chemistry)</i> | <i>Universitas Gadjah Mada</i> | <i>2009</i> | | | | | | | | | | | | | | | | |
| Employment | <i>Lecturer</i> | <i>Universitas Tanjungpura</i> | <i>2012 - present</i> | | | | | | | | | | | | | | | | |
| Research and development projects over the last 5 years | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Year</th> <th>Project Title (Role)</th> <th>Total Research Funding</th> <th>Source of Funding (Partner if applicable)</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td><i>Turmeric Extract as an Active Ingredient in Starch/Polyvinyl Alcohol (Pati/PVA)-Based Smart Packaging</i></td> <td><i>Rp. 13.260.000</i></td> <td><i>DIPA FMIPA UNTAN</i></td> </tr> <tr> <td>2021</td> <td><i>Synthesis ZNO/Kaolinit Nanoscroll</i></td> <td><i>Rp. 44.020.000</i></td> <td><i>DIPA FMIPA UNTAN</i></td> </tr> <tr> <td>2020</td> <td><i>Synthesis and Characterization of Activated Carbon/Fe₃O₄/Polyaniline Composites and their Performance Testing as Supercapacitor Electrodes</i></td> <td><i>Rp. 26.000.000</i></td> <td><i>DIPA FMIPA UNTAN</i></td> </tr> </tbody> </table> | | | | Year | Project Title (Role) | Total Research Funding | Source of Funding (Partner if applicable) | 2022 | <i>Turmeric Extract as an Active Ingredient in Starch/Polyvinyl Alcohol (Pati/PVA)-Based Smart Packaging</i> | <i>Rp. 13.260.000</i> | <i>DIPA FMIPA UNTAN</i> | 2021 | <i>Synthesis ZNO/Kaolinit Nanoscroll</i> | <i>Rp. 44.020.000</i> | <i>DIPA FMIPA UNTAN</i> | 2020 | <i>Synthesis and Characterization of Activated Carbon/Fe₃O₄/Polyaniline Composites and their Performance Testing as Supercapacitor Electrodes</i> | <i>Rp. 26.000.000</i> | <i>DIPA FMIPA UNTAN</i> |
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| Industry collaborations over the last 5 years | - | | | | | | | | | | | | | | | | | | |
| Patents and proprietary rights | - | | | | | | | | | | | | | | | | | | |
| Important publications over the last 5 years | <p><i>Selected recent publications from a total of approx.: 26 (give total number):</i></p> <ul style="list-style-type: none"> - <i>Lignin-Glyoxal Bio-Adhesive Based on Lignin from Sugarcane Bagasse: Characterization and Application, Qonita Arrusli, Berlian Sitorus, Intan Syahbanu, Trends in Sciences, Volume 22 No 3, 2025.</i> - <i>Isolated Pineapple Peel Microcellulose as a Matrix for Polypyrrole-Based Capacitor, Berlian Sitorus, Intan Syahbanu, Flaviana Yoni, Antonius, Darmawan Seno Panjaitan, Cellulose Chemistry & Technology, Volume 58 No 3-4, 223-231, 2024</i> - <i>Senggani fruit (Melastoma malabathricum Linn.) extract as a natural indicator in pH-responsive PVA-taro starch plastic packaging, Rika Risma Dewi, Intan Syahbanu, Winda Rahmalia, Turkish Journal of Chemistry, Volume 48 No. 3, 459-469, 2024.</i> - <i>Deep Eutectic Solvent (DES) Based on Choline Chloride and Mono-, Di-, Poly-Ethylene Glycol as KI/I2 Electrolyte Solvents on DSSC Devices, Adhitya Adhitya, Winda Rahmalia, Intan Syahbanu, Gusrizal Gusrizal, Adhityawarman Adhityawarman, Indonesian Journal of Chemistry, Volume 23 No. 5, 2023.</i> - <i>Bioplastic based on taro starch modified polyvinyl alcohol and eggshell</i> | | | | | | | | | | | | | | | | | | |

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| | <i>(Starch-PVA-CT) with degradability study, Siti Qomariah, Intan Syahbanu, Puji Ardiningsih, EduChemia (Jurnal Kimia dan Pendidikan), Volume 7 No 2, 223-235, 2022.</i> |
| Activities in specialist bodies over the last 5 years | - |