

Name	Berlian Sitorus																						
Post	Physical Chemistry																						
Academic career	Initial academic appointment	Faculty of Agriculture, Universitas Tanjungpura	2002																				
	Post-doctoral qualification (subject)	-	-																				
	Doctorate (Chemistry)	University of Leicester, UK	2020																				
	Master (Chemistry)	University of Ghent	2006																				
	Master (Environmental Sanitation)	Institut Teknologi Bandung	2001																				
	Undergraduate degree (Chemistry)	Institut Teknologi Bandung	1998																				
Employment	Lecturer : Chemistry Department, FMIPA, Universitas Tanjungpura		2004 - present																				
Research and development projects over the last 5 years																							
<table><tr><th>Year</th><th>Project Title (Role)</th><th>Total Research Funding</th><th>Source of Funding (Partner if applicable)</th></tr><tr><td>2024</td><td>Ekstraksi dan Karakterisasi Nanopartikel berbasis Lignoselulosa dari Ampas Tebu dan Limbah Penggergajian</td><td>Rp. 33.500.000</td><td>DIPA FMIPA Universitas Tanjungpura</td></tr><tr><td>2023</td><td>Pembuatan dan Karakterisasi Nanomaterial Berbasis Selulosa dari Mahkota Nanas</td><td>Rp. 33.500.000</td><td>DIPA FMIPA Universitas Tanjungpura</td></tr><tr><td>2022</td><td>Pengembangan Sistem Refused Derived Fuel (RDF) Skala Mikro Untuk Mengubah Sampah Menjadi Bahan Bakar (Waste-To-Energy)</td><td>Rp. 150.000.000</td><td>Bappeda of West Kalimantan Province</td></tr><tr><td>2021</td><td>Adsorben Berbasis Komposit Red Mud-Kaolin Capkala untuk Mengurangi Pencemaran Logam Berat Timbal (Pb) dan Mangan (Mn) pada Perairan</td><td>Rp. 54.000.000</td><td>Ministry of Education, Culture, Research, and Technology and LPDP</td></tr></table>				Year	Project Title (Role)	Total Research Funding	Source of Funding (Partner if applicable)	2024	Ekstraksi dan Karakterisasi Nanopartikel berbasis Lignoselulosa dari Ampas Tebu dan Limbah Penggergajian	Rp. 33.500.000	DIPA FMIPA Universitas Tanjungpura	2023	Pembuatan dan Karakterisasi Nanomaterial Berbasis Selulosa dari Mahkota Nanas	Rp. 33.500.000	DIPA FMIPA Universitas Tanjungpura	2022	Pengembangan Sistem Refused Derived Fuel (RDF) Skala Mikro Untuk Mengubah Sampah Menjadi Bahan Bakar (Waste-To-Energy)	Rp. 150.000.000	Bappeda of West Kalimantan Province	2021	Adsorben Berbasis Komposit Red Mud-Kaolin Capkala untuk Mengurangi Pencemaran Logam Berat Timbal (Pb) dan Mangan (Mn) pada Perairan	Rp. 54.000.000	Ministry of Education, Culture, Research, and Technology and LPDP
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Industry collaborations over the last 5 years																							
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Patents and proprietary rights		- Proses Pembuatan Komposit Konduktif Polianilina-Selulosa Dari Tandan Kosong Sawit Sebagai Bahan Aktif Baterai Sekunder (2020)																					
Important publications over the last 5 years		Selected recent publications from a total of approx.: 17 (give total number): - Lignin-Glyoxal Bio-Adhesive Based on Lignin from Sugarcane Bagasse: Characterization and Application, Q Arrusli, B Sitorus, I Syahbanu, Trends in Sciences 22 (3), 8915-8915 - Isolated Pineapple Peel Microcellulose As A Matrix For Polypyrrole-Based Capacitor, B Sitorus, I Syahbanu, F Yoni, SD Panjaitan, Cellulose Chemistry & Technology, 58 - Improving Pb (II) Removal via Ascorbic Acid-Enhanced Red Mud Adsorption: Kinetics and Isotherm Analysis, B Sitorus, T Yoyo, S Setiawati, S Khairi, Trends in Sciences 21 (6), 7534-7534																					

Activities in specialist bodies over the last 5 years	-