

Name	Thamrin Usman																										
Post	Organic Chemistry																										
Academic career	Initial academic appointment	Faculty of Agriculture, Universitas Tanjungpura	1990																								
	Post-doctoral qualification	-	-																								
	Doctorate (Agro-industrial Chemistry)	ENSCT-INP Toulouse, France	1997																								
	Master (Agro-industrial Chemistry)	ENSCT-INP Toulouse, France	1994																								
	Undergraduate degree (Chemistry)	Universitas Gadjah Mada, Indonesia	1987																								
Employment	Lecturer	Universitas Tanjungpura	2002-present																								
Research and development projects over the last 5 years																											
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Industry collaborations over the last 5 years	MIPACHEM Adsorbent Trial on Processed Water from PDAM SELPA Pontianak (PDAM Kota Pontianak)																										
Patents and proprietary rights	- Proses Pembuatan Katalis Geopolimer Termodifikasi Hidrogen Peroksida (2024) - Proses Pembuatan Biodiesel Langsung Dari Buah Sawit Menggunakan Katalis Kalsium Oksida (CaO) dan Abu Tankos (2024)																										

	• <i>Proses Pembuatan Geopolimer Termodifikasi Hidrogen Peroksida Sebagai Adsorben Asam Lemak Bebas Minyak Sawit Mentah (2023)</i> • <i>Proses Penghilangan Warna Air Gambut Pada Produksi Air Bersih Menggunakan Metakaolin Sebagai Koagulan dan Adsorben (2023)</i>
Important publications over the last 5 years	• <i>H₂O₂-Modified Geopolymers as Integrated Adsorbent Catalysts for FFA Removal and Biodiesel Production from Crude Palm Oil (Nelly Wahyuni, Thamrin Usman, M. Ilham Ramadhan, Ismail Astar), Indonesian Journal of Science & Technology 10(1) (2025) 113-132</i> • <i>Biodiesel Synthesis of Crude Palm Oil By Using Bifunctional Catalyst Sn/Kaolinite and K₂CO₃ (Abdullah Yamani Noor, Thamrin Usman, Nelly Wahyuni), EduChemia - Jurnal Kimia dan Pendidikan Vol 9, No, 2, 2024, p.149-161</i> • <i>Synthesis of Biodiesel in Low-Grade Palm Oil using Geopolymer-ZnO Catalyst (Yaasinta Lafasha Nabila, Thamrin Usman, Andi Hairil Alimuddin), agriTECH, 44(3), 279-288. (2024)</i> • <i>Reducing Free Fatty Acids in Crude Palm Oil Using Diethylene Glycol and Zinc (II) Chloride Based Deep Eutectic Solvent (Lieli Suriyanti, Thamrin Usman, Winda Rahmalia), Indonesian Journal of Chemistry, 24(3), 691-700. (2024)</i> • <i>Performance test of Zn-astaxanthin complex-sensitized solar cell: effect of light intensity on open-circuit voltage and short-circuit current values (Septiani Septiani, Winda Rahmalia, Thamrin Usman), Turkish Journal of Chemistry, 48(2), 210-217. (2024)</i> • <i>Extraction of astaxanthin from fermented Acetes using virgin coconut oil with the glass beads vortex method (Dwi Fitriani, Winda Rahmalia, Puji Ardiningsih, Thamrin Usman, Siti Nani Nurbaeti, Dwi Imam Prayitno), OCL, 30, 4. (2023)</i> • <i>Astaxanthin and omega-3-rich oil from fermented Acetes (cincalok) and its application as bioactive additive and sunscreen in lotion (Winda Rahmalia, Christina Dasilia, Thamrin Usman, Dwi Imam Prayitno, Siti Nani Nurbaeti), OCL, 29, 18. (2022)</i>
Activities in specialist bodies over the last 5 years	• <i>Reviewer of the RISPRO-LPDP Funding Program in the field of new and renewable energy (2019 - present)</i> • <i>Head of the UNTAN Agroindustry and Agribusiness Research Center</i>