

KBK GEOLOGI TEKNIK DAN HIDROGEOLOGI

Konsentrasi	Tema Penelitian	Metode	Lokasi	Timeline Penelitian	Target Publikasi	Kuota untuk Mahasiswa Tugas Akhir	Person in Charge
Hidrogeologi	MENGEMBANGKAN AGRO-GEOHIDROPARK UNTUK PENGGERAK EKONOMI BERKELANJUTAN DI DESA GEDANGREJO, KAPANEWON KARANGMOJO, KABUPATEN GUNUNGKIDUL, DIY	Pemetaan geologi, kajian hidrogeologi, pengujian sampel batuan untuk petrologi dan geologi teknik, penyelidikan bawah permukaan dengan metode geofisika (geolistrik), pemetaan situasi dan kondisi menggunakan drone, kajian potensi pertanian, kajian potensi sumberdaya manusia, dan pembuatan peta zonasi agro-geohidropark	Desa Gedangrejo, Kapanewon Karangmojo, Kabupaten Gunungkidul, DIY	April 2022 - November 2023	Scopus Journal Q3, Artikel LPPM UPN, Buku Ajar, HKI, Paten Sederhana	Tersedia 4 orang S1, 1 orang S2	Prof. Sari Bahagiarti K.
Landslide	Landslide Assessment in Samigaluh District, Kulon Progo, Yogyakarta	Landslide risk mapping using secondary and primary data. secondary data includes landslide occurrence data, dem data and monographic data for each sub-district. primary data in the form of geological mapping data and landslide points. overlay method used with AHP.	Samigaluh district	October-December 2022	Jurnal Sinta 3	Tersedia 2 orang S1	Thema Arrisaldi, S.T., M. Eng. Daniel Radityo, S.T., M.T.
	Landslide Risk Map Mapping in Sentolo and Pengasih District, Kulon Progo, Yogyakarta	Landslide risk mapping using secondary and primary data. secondary data includes landslide occurrence data, dem data and monographic data for each sub-district. primary data in the form of geological mapping data and landslide points. overlay method used with AHP.	Pengasih and Sentolo District	April-August 2022	Scopus Journal Q4	Tidak Tersedia	Thema Arrisaldi, S.T., M. Eng.
	Landslide and Settlement Assessment in Railway Track (Lampung-Muaro Enim)	Using direct geological mapping and resistivity method	Lampung-Palembang Railway Track	August-December 2022	Scopus Journal Q4	Tidak Tersedia	Thema Arrisaldi, S.T., M. Eng.
	3D Modelling Limit Equilibrium Method for landslide instability assessment, Kulon Progo, Yogyakarta	LEM - Morgenstern Price, geotechnical mapping and landslide mapping	Kulon Progo, Yogyakarta	Desember 2022 - November 2023	Scopus Journal Q1	Tersedia 1 orang S1	Hasan Tri Atmojo, S.T., M.T.
Tunneling and Underground Mining	Data Analytic and Linear Regression from Rock Mass Rating Underground Mining, Cibitung, Banteng Province	Rock Mass Rating, statistik deskripsi 5 parameter utama, linieritas dan korelasi antar parameter utama RMR, visualisasi data	Cibitung Pandeglang Banten	Desember 2022 - November 2023	Scopus Journal Q3/Q4/Sinta Jurnal S3/S4	TBA	Daniel Radityo, S.T., M.T.
	Shrinkage analysis for support system in underground mining	Q System, XRD, XRF, laboratory analysis, domaining alteration with strength	Halmahera Utara	January 2023 - January 2025	Scopus Journal Q3	TBA	Hasan Tri Atmojo, S.T., M.T.
Rock Mechanic	Shear Strength Reduction analysis for Finite Element Method and Fracture Frequency for rock mass fragmentation	FEM distribution value, laboratory analysis, rock mass domain, Rmi classification, block volume	Cianjur	Desember 2022 - November 2023	Scopus Journal Q3	Tersedia 2 orang, S1	Hasan Tri Atmojo, S.T., M.T.

*TBA = To Be Announced