



2020

STAFF HANDBOOK

**DEPARTMENT OF MINING ENGINEERING
FACULTY OF ENGINEERING
HASANUDDIN UNIVERSITY**

| No | Name | Degree | Graduated from | Position | Affiliating Laboratory |
|----|---|-----------------------|----------------|---------------------|--|
| 1 | Dr.Eng. Ir. Muhammad Ramli, M.T. | Doctor of Engineering | Japan | Associate Professor | Mine Environment |
| 2 | Dr. Ir. Irzal Nur, M.T. | Doctor of Engineering | Indonesia | Associate Professor | Mineral Exploration |
| 3 | Dr. Sufriadin, S.T., M.T. | Doctor of Engineering | Indonesia | Associate Professor | Mineral Processing and Analysis |
| 4 | Asran Ilyas, S.T., M.T., Ph.D | Doctor of Engineering | Japan | Assistant Professor | Mineral Exploration |
| 5 | Dr.Eng. Purwanto, S.T., M.T. | Doctor of Engineering | Japan | Assistant Professor | Geomechanics |
| 6 | Dr. Aryanti Virtanti Anas, S.T., M.T. | Doctor of Engineering | Indonesia | Assistant Professor | Mine Planning and Valuation |
| 7 | Dr.phil.nat. Sri Widodo, S.T., M.T. | Doctor of Engineering | Germany | Assistant Professor | Mineral Exploration |
| 8 | Dr.Eng. Rini Novrianti Sutardjo Tui, S.T., M.T. | Doctor of Engineering | Japan | Assistant Professor | Mine Planning and Valuation |
| 9 | Nirmana Fiqra Qaidahiyani, S.T., M.T. | Master of Engineering | Indonesia | Assistant Professor | Geomechanics |
| 10 | Rizki Amalia, S.T., M.T. | Master of Engineering | Indonesia | Lecturer | Mine Planning and Valuation |
| 11 | Andi Arumansawang, S.T., M.Sc. | Master of Science | Japan | Lecturer | Mine Environment |
| 12 | Asta Arjunoarwan Hatta, S.T., M.T. | Master of Engineering | Indonesia | Lecturer | Mine Environment |
| 13 | Dr. Ulva Ria Irfan, S.T., M.T. | Doctor of Science | Indonesia | Associate Professor | Geochemistry and Minerals (Geological Eng. Dept) |

Dr. Eng. Ir. Muhammad Ramli, M.T.

| | | | |
|---|--|----------------------------|----------------|
| Name | Dr. Eng. Ir. Muhammad Ramli, M.T. | | |
| Position | Associate Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 1993 |
| | Doctorate – Urban and Environmental Engineering | Kyoto University | 2003 – 2009 |
| | Graduate – Mining Engineering | Institut Teknologi Bandung | 1995 – 1998 |
| | Undergraduate – Geological Engineering | Universitas Hasanuddin | 1987 – 1992 |
| Employment | Lecturer | Universitas Hasanuddin | 1993 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> Hydrodynamics of Fresh-Seawater Interface of Aquifer of Gowa – Takalar Beach, South Sulawesi. 2020, LP2M Universitas Hasanuddin. Study of Management of Water Resource for Farming. 2019, BAPPEDA Sinjai Regency. Analysis of Sustainability of Groundwater Resource of Aquifer of Gowa – Takalar Beach, South Sulawesi. 2018, PDUPT Universitas Hasanuddin. Hydrodynamics Analysis of Leachate Distribution of the Final Garbage Dump within Groundwater Flow. 2017, RUNAS Universitas Hasanuddin. | | |
| Industry collaborations over the last 5 years | - | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> Modeling of the Effect of Pumping of Well Production in Aquifer with Sloped Ground Water Level. Wahana Teknik Sipil, Vol. 25 No. 2, 2020. Analysis of Soil Erosion on Mine Area. Proceeding of The 3rd EPI International Conference on Science and Engineering (EICSE), 2019. Groundwater Influence to Slope Stability Analysis at Main Road of Malino-Manipi, Indonesia. ARPN Journal of Engineering and Applied Sciences, Vol.12 No. 06, 2017. | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) | | |

Dr. Ir. Irzal Nur, M.T.

| | | | |
|---|--|----------------------------|----------------|
| Name | Dr. Ir. Irzal Nur, M.T. | | |
| Position | Associate Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 1997 |
| | Doctorate – Geological Engineering | Universitas Gadjah Mada | 2008 – 2012 |
| | Graduate – Mining Engineering | Institut Teknologi Bandung | 1998 – 2000 |
| | Undergraduate – Geological Engineering | Universitas Hasanuddin | 1986 – 1992 |
| Employment | Lecturer | Universitas Hasanuddin | 1997 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Study of Rock Geochemical Towards Environmental Health. 2019, PDUPT Ristekdikti. 2. Study of Hydrothermal Alteration in Prospect of Vein Type Ore Mineralization in Lappadata Area, Bone Regency, South Sulawesi. 2018, PDUPT Ristekdikti. 3. Characterization of Ore Mineralogy in Vein Type Gold Deposit in Buladu Area, Sumatala, Gorontalo Province 2018, LBE FT-UH. | | |
| Industry collaborations over the last 5 years | <ol style="list-style-type: none"> 1. PT Ceria Nugraha Indotama (PT CNI) 2017, Feasibility Study Report of Mining and Processing of Lateritic Nickel Ore, 20 2. PT Ceria Nugraha Indotama (PT CNI) 2019, Revised of Feasibility Study Report of Development, Processing, Beneficiation of Lateritic Nickel Ore. | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Low-sulfidation Epithermal Carbonate-base Metal-gold Mineralization Hosted by Tertiary Sedimentary Rocks in Bastem Prospect, Luwu District, Sulawesi Island, Indonesia: A Preliminary Study. Journal of Applied Geology, 2020. 2. Hydrothermal Alteration Associated with Vein Type Sulphide Mineralization at Lappadata Prospect, South Sulawesi, Indonesia: A Preliminary Study. IOP Conf. Series: Materials Science and Engineering, 2019. 3. Geochemical Correlation of Gold Placer and Indication of Au-Cu-Pb-Zn-Ag Mineralization at Parigi Moutong, Central Sulawesi, Indonesia. Journal of Physics: Conference Series, 2018. 4. Mineralogy and Fluid Inclusion Micro Thermometry of Epithermal Gold-base Metal Mineralization at Anggai, Obi Island, Indonesia. International Journal on Advanced Science, Engineering and Information Technology, 2018. | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) Indonesian Association of Geologist | | |

Dr. Sufriadin, S.T., M.T.

| | | | |
|---|--|----------------------------|----------------|
| Name | Dr. Sufriadin, S.T., M.T. | | |
| Position | Associate Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 2000 |
| | Doctorate – Geological Engineering | Universitas Gadjah Mada | 2008 – 2013 |
| | Graduate – Mining Engineering | Institut Teknologi Bandung | 1999 – 2002 |
| | Undergraduate – Geological Engineering | Universitas Hasanuddin | 1986 – 1992 |
| Employment | Lecturer | Universitas Hasanuddin | 2000 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Ni and Co Extraction from Limonite Ore of Sulawesi using Nitrate Acid Solution (HNO₃). 2019, LBE FT-UH. 2. Ni-Sulphide Mineralization Model in Latao Area, Batuputih District, North Kolaka Regency, Southeast Sulawesi. 2018, PT-UPT 3. Ni-sulfide Deposits in Indonesia: Its Potential Alternative of Nickel Resources in Supporting the National Iron-steel Industry. 2018, JICA C-BEST. 4. Mode of Occurrence of Mineral Matter and Inorganic Elements in Coal from South Sulawesi, Indonesia. 2016, WCU-UNHAS | | |
| Industry collaborations over the last 5 years | <ol style="list-style-type: none"> 1. PT Ceria Nugraha Indotama (PT CNI) 2017, Feasibility Study Report of Mining and Processing of Lateritic Nickel Ore. 2. PT Ceria Nugraha Indotama (PT CNI) 2019, Revised of Feasibility Study Report of Development, Processing, Beneficiation of Lateritic Nickel Ore. | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Beneficiation of Iron Ore from Pakke Area of Bone Regency, South Sulawesi Using Magnetic Separator. International Journal of Engineering and Science Applications, Vol. 6, 2019. 2. Beneficiation of Limonitic Iron Ore Using Magnetic Separator. IOP Conf. Series: Materials Science and Engineering, Vol. 1, 2019. 3. Geochemical Study of Ultramafic Rock from Latowu, Southeast Sulawesi, Indonesia: Implication for Carbon Dioxide Sequestration. Journal of Degraded and Mining Lands Management, Vol. 5 No 4, 2018. 4. Characterization of Some Coal Deposits Quality by Use of Proximate and Sulphur Analysis in the Southern Arm Sulawesi, Indonesia. International Journal of Engineering and Science Applications, Vol. 3 No 2, 2016. | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) | | |

Asran Ilyas, S.T., M.T., Ph.D.

| | | | |
|---|--|----------------------------|----------------|
| Name | Asran Ilyas, S.T., M.T., Ph.D | | |
| Position | Assistant Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 2000 |
| | Doctorate – Geostatistics | Kumamoto University | 2010 – 2013 |
| | Graduate – Mining Engineering | Institut Teknologi Bandung | 1999 – 2001 |
| | Undergraduate – Geological Engineering | Universitas Hasanuddin | 1991 – 1997 |
| Employment | Lecturer | Universitas Hasanuddin | 2000 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Analysis of Interaction of Surface Water and Aquifer towards Sustainability of Groundwater Resource. 2016, PUPT-DIKTI. 2. Geostatistical Modeling of Ore Grade Distribution from Geomorphic Characterization in a Laterite Nickel Deposit. 2012, JBIC-Loan No IP-541. 3. Geostatistical Modeling of Ni Grade and Consideration on Formation Factors of a Laterite Nickel Deposit. 2012, JBIC-Loan and Kyoto University Laboratory. 4. Geostatistical Modeling of Ni and SiO₂ Contents for Precise Grade Mapping and Genesis Identification of a Laterite Nickel Deposit. 2011, JBIC-Loan and Kumamoto University Laboratory | | |
| Industry collaborations over the last 5 years | - | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Hydrothermal Alteration Associated with Vein Type Sulphide Mineralization at Lappadata Prospect, South Sulawesi, Indonesia: A Preliminary Study. IOP Conf. Series: Materials Science and Engineering, 2019. 2. Karakterisasi Mineralogi Bijih pada Endapan Emas Tipe Urat di Daerah Buladu, Sumalata, Provinsi Gorontalo. Prosiding Seminar Ilmiah Nasional Sains dan Teknologi Ke-4 (SINASTEK), Vol. 4, hal. 240-247, ISSN: 2548-6047, 2018. 3. Karakterisasi Mineralogi pada Prospek Mineralisasi Sulfida Tipe Urat di Daerah Lappadata, Kabupaten Bone, Sulawesi Selatan. Prosiding Temu Profesi Tahunan (TPT) XXVI PERHAPI 2017, Balikpapan, Indonesia, 17-19 Oktober 2017, p. 17-25, 2017. | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) | | |

Dr.Eng. Purwanto, S.T., M.T.

| | | | |
|---|---|----------------------------|----------------|
| Name | Dr.-Eng. Purwanto, S.T., M.T | | |
| Position | Assistant Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 2005 |
| | Doctorate – Earth Resources Engineering | Kyushu University | 2011 – 2015 |
| | Graduate – Mining engineering | Institut Teknologi Bandung | 2007 – 2009 |
| | Undergraduate – Geological Engineering | Universitas Hasanuddin | 1991 – 1998 |
| Employment | Lecturer | Universitas Hasanuddin | 2005 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Characterization of Rock Strength in Gowa Regency: Implications for Development Planning. 2020, LPPM Universitas Hasanuddin 2. Study on Influence of Joint Orientation on Rock Engineering Properties for Mining and Infrastructure Design. 2018, JICA C-BEST. 3. Correlation Between Uniaxial Compressive Strength Test and Rock Strength Test with Schmidt Hammer 2017, RISTEKDIKTI. | | |
| Industry collaborations over the last 5 years | <ol style="list-style-type: none"> 1. PT Gunung Marmer Raya (PT GMR) 2019, Pillar Stability of Marble Underground Mining. | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Study on Influence of Joint Orientation on Rock Engineering Properties for Mining and Infrastructure Design. IOP Conf. Series: Earth and Environmental Science, Vol. 589, No. 012001, 2020. 2. Impact of Weathering on Rock Strength by Schmidt Hammer Test. Proceedings of International Symposium on Earth Science and Technology, 2017. 3. Pengaruh Pelapukan Terhadap Kekuatan Batuan Prosiding Seminar Nasional Geomekanika IV, Padang, 26-28 Oktober 2017, hal. 15-22, ISBN: 9-786025-069604, 2017 | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) Indonesian Rock Mechanics Society (IRMS) | | |

Dr. Aryanti Virtanti Anas, S.T., M.T.

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|---|--|
| Name | Dr. Aryanti Virtanti Anas, S.T., M.T. |
| Position | Assistant Professor |
| Academic Career | Assistant Professor Universitas Hasanuddin 2008 |
| | Doctorate – Civil Engineering Universitas Hasanuddin 2010 – 2014 |
| | Graduate – Mining Engineering Institut Teknologi Bandung 1996 – 1999 |
| | Undergraduate – Geological Engineering Universitas Hasanuddin 1989 – 1994 |
| Employment | Lecturer Universitas Hasanuddin 2008 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Potential Analysis of Resource Curse at Southeast Sulawesi with Vector Autoregression Method. 2020, LP2M, Universitas Hasanuddin. 2. Mine Haul Road Planning in the Mahalona Area South West PT Vale Indonesia, Tbk. 2020, Faculty of Engineering, Universitas Hasanuddin. 3. Modeling of Dynamic System of Supply and Demand of Construction Material in Mamminasata Metropolitan area 2017, PUPT RISTEKDIKTI. |
| Industry collaborations over the last 5 years | 1. PT Ceria Nugraha Indotama (PT CNI) 2017, Feasibility Study Report of Mining and Processing of Lateritic Nickel Ore. |
| Patents and proprietary rights | - |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Sensitivity Analysis of Net Present Value due to Optimal Pit Limit in PT Ceria Nugraha Indotama, Kolaka Regency, Southeast Sulawesi Province. IOP Conference Series: Materials Science and Engineering, Vol. 875, 2020. 2. Econometric Model of Supply and Demand for Mining of Construction Material in the Jeneberang River, Gowa Regency, South Sulawesi International Journal of Engineering Research and Technology, Vol. 08 No. 06, 2019. 3. Study on Comparative Advantage of Mining Sector in South Sulawesi Province, Indonesia International Journal of Engineering and Science Applications, Vol. 6 No. 1, pp. 20-30, 2019. 4. The Effect of Overburden Loader and Hauler Match Factor on Fuel Consumption and Cost Using Queueing Theory (Case Study: Coal Mining PT Perkasa Inakakerta East Kalimantan Province). International Journal of Engineering and Science Applications, Vol. 6 No. 2, pp. 72-84. 5. Sensitivity Analysis of Supply-Demand Model of Jeneberang River Construction Materials, South Sulawesi ARPN Journal of Engineering and Applied Sciences, Vol.12 No. 06, 2017. |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) |

Dr.phil.nat. Sri Widodo, S.T., M.T.

| | |
|---|--|
| Name | Dr.phil.nat. Sri Widodo, S.T., M.T. |
| Position | Assistant Professor |
| Academic Career | Assistant Professor Universitas Hasanuddin 2012 |
| | Doctorate – Geoscience (Coal Petrology and Geochemistry) Johann Wolfgang Goethe-Universitat 2004 – 2008 |
| | Graduate – Mining Engineering Institut Teknologi Bandung 1999 – 2001 |
| | Undergraduate – Mining Engineering Universitas Veteran Republik Indonesia 1990 – 1997 |
| Employment | Lecturer Universitas Hasanuddin 2012 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Model Mineralisasi Ni Sulfida di Daerah Latao, Kecamatan Batuputih, Kabupaten Kolaka Utara, Sulawesi Tenggara. 2017, PT-UPT RISTEKDIKTI. 2. Model Mineralisasi Nikel Sulfida di Daerah Latowu, Kolaka Utara, Sulawesi Tenggara. 2018, LP2M Universitas Hasanuddin. 3. Studi Keberadaan Unsur Tanah Jarang pada Batuan Beku di Sulawesi. 2018, RISTEKDIKTI. |
| Industry collaborations over the last 5 years | - |
| Patents and proprietary rights | - |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Mineralogy and Quality of Banti Coal, Baraka District, Enrekang Regency, South Sulawesi Province, Indonesia. IOP Conf. Series: Earth and Environmental, 2020. 2. Exhumation and Tectonomagmatic Processes of the Granitoid Rocks from Sulawesi, Indonesia: Constrains from Petrochemistry and Geothermobarometry Study. Indonesian Journal on Geoscience, Vol. 6, No. 2, pp.153-174, 2019. 3. Chemical Composition and Physical Characteristic of Coal and Mangrove Wood as Alternative Fuel. The 3rd International Conference on Science, Journal of Physics: Conference Science, 1341, 052008, 2019. 4. Geochemical Characterization and Its Implication for Beneficiation of Coal from Tondongkura Village, Pangkep Regency, South Sulawesi Province. International Journal of Engineering and Science Applications, Vol. 4, No. 1, 2017. |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) |

Dr.Eng. Rini Novrianti Sutardjo Tui, S.T., M.T.

| | | | |
|---|---|----------------------------|----------------|
| Name | Dr.Eng. Rini Novrianti Sutardjo Tui, S.T., M.T. | | |
| Position | Assistant Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 2014 |
| | Doctorate – Mineral Economics | Akita University | 2017 – 2020 |
| | Graduate – Mining engineering | Institut Teknologi Bandung | 2008 – 2011 |
| | Undergraduate – Mining engineering | Institut Teknologi Bandung | 2001 – 2006 |
| Employment | Lecturer | Universitas Hasanuddin | 2011 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Analysis of Fuel Supply Control for Heavy Equipment at Pit X PT Kideco Jaya Agung, East Kalimantan Province. 2016, DIPA FT-UH 2. Analysis of Breakeven Point of Coal Mining at Pit X PT Kideco Jaya Agung, East Kalimantan Province 2015, DIPA FT-UH | | |
| Industry collaborations over the last 5 years | - | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. An Input-Output Approach in Analyzing Indonesia's Export Policy. Journal of Mineral Economics, 2020. 2. Study on Comparative Advantage of Mining Sector in South Sulawesi Province, Indonesia. International Journal of Engineering and Science Application, Vol. 06 No. 01, 2019. 3. Breakeven Point and Incremental Analysis in Decision Making of Lease-Purchase Option of Heavy Equipment at Nickel Lateritic Ore Mining. ARPJ Journal of Engineering and Applied Sciences, Vol. 12 No 13, 2017. | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) | | |

Nirmana Fiqra Qaidahiyani, S.T., M.T.

| | |
|---|---|
| Name | Nirmana Fiqra Qaidahiyani, S.T., M.T. |
| Position | Assistant Professor |
| Academic Career | Assistant Professor Universitas Hasanuddin 2019 |
| | Doctorate – - - |
| | Graduate – Institut Teknologi Bandung 2015 – 2017 Mining Engineering |
| | Undergraduate – Institut Teknologi Bandung 2011 – 2015 Mining Engineering |
| Employment | Lecturer Universitas Hasanuddin 2019 – current |
| Research and development projects over the last 5 years | 1. Characterization of Rock Strength in Area of Gowa Regency: Its Implication Towards Development Planning 2020, LPPM UNHAS |
| Industry collaborations over the last 5 years | 1. PT Gunung Marmer Raya (PT GMR). 2019, Pillar Stability of Marble Underground Mining. Hibah Kerja Sama PT Gunung Marmer Raya (PT GMR). 2. PT Ceria Nugraha Indotama (PT CNI). 2019, Revised of Feasibility Study Report of Development, Processing, Beneficiation of Lateritic Nickel Ore. |
| Patents and proprietary rights | - |
| Important publications over the last 5 years | 1. Time-dependent Support Pressure of Underground Gold Mine in Indonesia. IOP Conf. Series: Earth and Environmental Science, 2020. 2. Study of Stress on Fracture Toughness Test Mode Using Photo Elastic Method. International Society for Rock Mechanics and Rock Engineering Conference Paper, 2017. 3. Study of Displacement Distribution Around Circular Opening Affected by Presence of Discontinuities Using Laboratory Biaxial Test. 9 th Asian Rock Mechanics Symposium: Harmonizing Rock Mechanics with Sustainable Economic Development |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) Indonesian Rock Mechanics Society (IRMS) |

Rizki Amalia, S.T., M.T.

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|---|---|
| Name | Rizki Amalia, S.T., M.T |
| Position | Assistant Professor |
| Academic Career | Assistant Professor Universitas Hasanuddin 2019 |
| | Doctorate – - - |
| | Graduate – Institut Teknologi Bandung 2016 – 2018 Mining Engineering |
| | Undergraduate – Universitas Hasanuddin 2009 – 2014 Mining Engineering |
| Employment | Lecturer Universitas Hasanuddin 2019 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Mine Haul Road Planning in Mahalona Area South West PT Vale Indonesia, Tbk. 2020, DIPA FT-UH. 2. Analysis of Potential of Resource Curse in South Sulawesi Province with Vector Autoregression Method. 2020, LP2M UNHAS. 3. Analysis of Net Present Value Sensitivity Pit X of Lapaopao Block, PT Ceria Nugraha Indotama, Kolaka Regency, Southeast Sulawesi 2019, DIPA FT-UH. |
| Industry collaborations over the last 5 years | <ol style="list-style-type: none"> 1. PT Ceria Nugraha Indotama (PT CNI) 2019, Revised of Feasibility Study Report of Development, Processing, Beneficiation of Lateritic Nickel Ore. |
| Patents and proprietary rights | - |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Revenue Estimation of Pit Seam 14 Quarter Mine Block Sequence Design Based on Coal Reference Price Prediction at PT Alam Jaya Pratama, East Kalimantan Province. EPI International Journal of Engineering, Vol. 3 No 2, 2020. 2. Sensitivity Analysis of Net Present Value due to Optimal Pit Limit in PT Ceria Nugraha Indotama, Kolaka Regency, Southeast Sulawesi Province. IOP Conf. Series: Materials Science and Engineering, Vol. 875, 2020. 3. Application of VAR Method for Dutch Disease Potential Identification due to Coal Mining in East Kalimantan, South Kalimantan, and South Sumatra Province. International Symposium Mining in Asia, 2018. |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) |

Andi Arumansawang, S.T., M.Sc.

| | | | |
|---|--|------------------------|----------------|
| Name | Andi Arumansawang, S.T., M.Sc | | |
| Position | Assistant Professor | | |
| Academic Career | Assistant Professor | Universitas Hasanuddin | 2020 |
| | Doctorate – - | - | - |
| | Graduate – Earth Science | Ehime University | 2017 – 2019 |
| | Undergraduate – Mining Engineering | Universitas Hasanuddin | 2005 – 2009 |
| Employment | Lecturer | Universitas Hasanuddin | 2020 – current |
| Research and development projects over the last 5 years | 1. Optimalization of Mining Bench Dimension Based on Geotechnical and Hydrogeology Condition 2020, DIPA FT-UH. | | |
| Industry collaborations over the last 5 years | 1. PT Tator International Industrial. 2020, AMDAL Project. 2. PT Bumi Mineral Sulawesi 2020, AMDAL Project | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | - | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) | | |

Asta Arjunoarwan Hatta, S.T., M.T.

| | | | |
|---|---|----------------------------|----------------|
| Name | Asta Arjunoarwan Hatta, ST., MT | | |
| Position | - | | |
| Academic Career | Graduate – - Mining Engineering | Institut Teknologi Bandung | 2018 – 2020 |
| | Undergraduate – Mining Engineering | Universitas Hasanuddin | 2013 – 2017 |
| Employment | Lecturer | Universitas Hasanuddin | 2021 – current |
| Research and development projects over the last 5 years | - | | |
| Industry collaborations over the last 5 years | - | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | - | | |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) | | |

Dr. Ulva Ria Irfan, S.T., M.T.

| | |
|---|--|
| Name | Dr. Ulva Ria Irfan, S.T., M.T. |
| Position | Associate Professor |
| Academic Career | Assistant Professor Universitas Hasanuddin 1994 |
| | Doctorate – Chemistry Universitas Hasanuddin 2006 – 2011 |
| | Graduate – Geological Engineering Institut Teknologi Bandung 1995 – 1998 |
| | Undergraduate – Geological Engineering Universitas Hasanuddin 1988 – 1993 |
| Employment | Lecturer Universitas Hasanuddin 1994 – current |
| Research and development projects over the last 5 years | <ol style="list-style-type: none"> 1. Study of Mineralogy of Rock Associating with Gold Placer Deposit in Parejjang River, Pangkep Regency, South Sulawesi. 2020, PTM Kemenristek BRIN. 2. Implementation of Pearson Correlation Magnitude and Junction Fault Movement to Earthquake Possibility in Bone Bay, South Sulawesi 2019, Hibah Internal UNHAS 3. Genetics Model of Sumalata Mineralisasi: Its Implication on Gold Prospect in Gorontalo 2016, PUPT-DP2M |
| Industry collaborations over the last 5 years | <ol style="list-style-type: none"> 1. PT Pertamina EP 2018, Acquisition of Geological Data, Bantimala Area, South Sulawesi. 2. PT Pertamina EP Study of Petroleum System Assessment of Tokala Area. |
| Patents and proprietary rights | - |
| Important publications over the last 5 years | <ol style="list-style-type: none"> 1. Ultrahigh-Pressure Metamorphic Rocks in the Bantimala Melange Complex and its Implication to Cretaceous Tectonics in the South Arm of Sulawesi. IOP Conf. Series: Materials Science and Engineering, 2020. 2. Geochemistry and Geochronology of VHMS Mineralization in the Sangkaropi District, Central-West Sulawesi, Indonesia: Constraints on Its Tectono-magmatic Setting. Ore Geology Review, 2019. 3. Mineralogy and Fluid Inclusion Microthermometry of Epithermal Gold- Base Metal Mineralization at Anggai, Obi Island, Indonesia. International Journal on Advanced Science, Engineering, and Information Technology, 2018. 4. Hydrothermal Alteration Mineralogy Associated with Gold Mineralization in Buladu Area, Gorontalo, Northern Sulawesi, Indonesia. International Journal on Advanced Science, Engineering, and Information Technology, 2017. |
| Activities in specialist bodies over the last 5 years | Association of Mining Expert of Indonesia (PERHAPI) Indonesian Association of Geologist |



**Geology Building, Kampus Fakultas
Teknik, Universitas Hasanuddin**

**Jln. Poros Malino Km. 6
Bontomarannu 9217,
Kabupaten Gowa, Sulawesi Selatan**