



DAFTAR PUSTAKA

- Alderton, D.H.M., Paerce, J.A. and Potts, P.J. 1980. Rare Earth Element Mobility During Granite Alteration. *Earth Planetary Science Letters*, 49, 149-165.
- Allibone, H.A., Windh, J., Etheridge, M.A., 1997. Timing Relationships and Structural Controls on the Location of Au-Cu Mineralization at the Boddington Gold Mine, Western Australia. *Society of economic geology*, 93, 245-270.
- Anonim, 2015. Buku potensi Sumber Daya Mineral Logam dan Non logam, provinsi Maluku, Dinas Energi dan Sumber Daya Mineral Provinsi Maluku.
- Anonim, 2008. Survei Logam dan Non-Logam di daerah kecamatan Taniwel, Kecamatan Huamual belakang, dan Kecamatan Kairatu, Kabupaten Seram Bagian Barat. Program kerjasama Dinas Pertambangan Provinsi Maluku dan Dinas Pertambangan Kab. SBB. *Laporan internal*. Tidak dipublikasikan. Dinas Pertambangan Provinsi Maluku
- Audley-Charles, M.G., Carter, D.J., Barber, A.J., Norvick, M.S., Tjokrosapoetro, S., 1979. Re-interpretation of the Geology of Seram : Implications for the Banda Arcs and Northern Australia. *J. geol. Soc.London*, 136, 547-568.
- Barton, P.B.Jr., 1978. Some ore textures involving sphalerite from the Furutobe Mine, Akita Prefecture, Japan. *Mining Geology*, 28, 293-300.
- Barton, P.B.Jr., Bethke, P.M., 1987. Chalcopyrite disease in sphalerite: Pathology and epidemiology. *American Mineralogist*, 72 (5-6), 451-467.
- Bateman, R., Hagemann, S.G., 2004. Gold mineralisation throughout about 45 Ma of Archean orogenesis: Protracted flux of gold in the Golden Mile, Yilgarn craton, Western Australia. *Mineralium Deposita*, 39, 536-559.
- Belkabir, A., Hubert, C., 1995. Geology and Structure of a Sulfide-rich Gold Deposit: An Example from the Mouska Gold Mine, Bousquet District, Canada. *Economic geology*, 30, 1064-1079.
- Bhatia, M.R., 1983. Plate tectonics and geochemical composition of sandstones. *J. Geol*, 91(6), 611-627
- Bodnar, R.J.,Vityk, M.O., 1994. Interpretation of Microthermometric Data for H₂O-NaCl Fluid Inclusions. In. De Vivo, B. and Frezzotti, M.L. (Eds.). Fluid Inclusions in Mineral, Methods and Applications, Published by Virginia Tech, Blacksburg, VA.
- Bodnar, R.J., 1993. Revised Equation and Table for Determining the Freezing Point Depression of H₂O-NaCl Solution. *Geochimica Et Cosmochimica Acta*, 57, 683-684
- Bonev, I.K., 2007. Crystal habit of Ag-, Sb- and Bi-bearing galena from the Pb-Zn ore deposits in the Rhodope Mountains. *Geochem, mineral, petrol*, 45,1-18
- Bradshaw, M.T., Yeates, A.N., Beynon, R.M., Brakel, A.T., Langford, R.P., Totterdell, J.M.,Yeung, M., 1988. Palaeogeographic Evolution of the North



West Shelf Region, in Purcell, P.G. and Putcell, R.R. (Eds.), The North West Shelf of Australia, Petroleum Exploration Society of Australia.

- Brown, P.E., Hagemann, S.G., 1995. MacFlincor and its application to fluids in Archean lode gold Deposits. *Geochimica et Cosmochima Acta*, 59, 3943-3952
- Cooke, D.R., Simmons, S.F., 2000. Characteristics and genesis of epithermal gold deposits. *Reviews in Economic Geology* 13, 221–244.
- Cox, S.F., Etheridge, M.A., Wall, V.J., 1986. The role of fluids in syntectonic mass transport and the localization of metamorphic vein-type ore deposits. *Ore Geology Review*, 2, 65-86
- Cox, S.F., Knackstedt, M.A., Braun, J., 2001. Principles of structural control on permeability and fluid flow in hydrothermal systems. *Reviews in economic geology*, 14, 1-24
- Corbett, G.J., Leach, T.M., 1998. Southwest Pacific Rim gold-copper systems: Structure, alteration and mineralization. *Society of Economic Geologists Special Publication*, 6, 240.
- Corbett, G.J & Leach, T.M., 1997. Southwest Pasific Rim Gold-Copper System : Structure, Alteration and Mineralization, Short Course Manual, Corbett Geological Servicse 29 Carr Street North Sydney NSW 2060 Australia and Terry Leach and Co Coromandel New Zealand.
- Corbett, G.J. dan Leach, T.M., 1996. Southwest Pacific Rim Gold-Copper System: Structure, Alteration and Mineralization SEG Special Publication No.6.Auckland, New Zealand.
- Craig, J.R., 2001. Ore-mineral textures and the tales they tell. *The Canadian Mineralogist* 39 (4), 937–956.
- De Smet, M. E., Barber, A. J., 1992. Report on the Geology of Seram. Geological Research in Southeast Asia. *Unpublished report*. University of London, UK.
- Dickson, F.W., Tunell, G., 1959. The stability relations of cinnabar and metacinnabar. *American mineralogist*, 44 (5-6), 471-487
- Dini, A., Benvenuti, M., Lattanzi, P., Tanelli, G., 2001. Mercury deposits in metamorphic settings; the example of Levigliani and Ripa mines, Apuane alps (Tuscany, Italy). *Ore geology review*, 18, 149-167
- Dube, B., Gosselin P., 2007. Greenstone-hosted quartz-carbonate vein deposits. *Geol Ass Can Sp Publ*, 5, 49-73
- Ernowo, E., Meyer, F.M., Idrus, A., 2019. Hydrothermal alteration and gold mineralization of the Awak Mas metasedimentary rock-hosted gold deposit, Sulawesi, Indonesia. *Ore geology reviews*, 113, 1-16
- Etheridge, M.A., Wall, J., Vernon, R.H., 1983. The role of the fluid phase during regional metamorphism and deformation. *J Metam Geol*, 1, 205-226
- Fettes, D., Desmons.J., 2007. Metamorphic rocks : A classification and glossary of terms.



- Franklin, Moe'tamar, Reza, M., 2013. Inventarisasi endapan logam di Kabupaten Seram Bagian Barat Provinsi Maluku. *Laporan internal*. Tidak dipublikasikan. Pusat Sumber Daya Geologi, Bandung.
- Fyfe, W.S., Kerrich, R., 1985. Fluids and thrusting. *Chem Geol*, 49, 353-362
- Gafoer, S., Suwitudirdjo, K., Suharsono., 1993. Pemetaan Geologi lembar Bula dan Watubela, Maluku, 1:250000, Pusat Penelitian dan Pengembangan Geologi, Bandung, Indonesia.
- Gammons, C.H., Williams-Jones, A.E., 1997. Chemical mobility of gold in the porphyry-epithermal environment. *Economic Geology*, 92(1),45-59.
- Gebre-Mariam, M., Hagemann, S.G., Groves, D.I., 1995. A classification scheme for epigenetic Archaean lode-gold deposits. *Miner Deposita*, 30, 408-410
- Germeraad, J.H.,1946. Geology of central Seram, in: Geological, petrographical, and palaeontological results of explorations, carried out from September 1917 till June 1919 in the island of Ceram, edited by: Rutten, L. and Hotz, W. *De Bussy*, 2,135 pp.
- Goldfarb, R.J., Phillips G.N., Nokleberg, W.J., 1998. Tectonic setting of synorogenic gold deposits of the Pacific Rim. *Ore Geology Review*, 13, 185-218
- Goldfarb, R.J., Groves D.I., Gardoll, S., 2001. Orogenic gold and geologic time: a global synthesis. *Ore Geology Review*, 18, 1-75
- Goldfarb, R.J.,Groves D.I.,Craig Har., 2005. Distribution, character and genesis of gold deposits in metamorphic terranes. *Economic Geology*, 407-450
- Goldfarb, R.J., Groves, D.I., 2015. Orogenic Gold : Common or Evolving Fluid and Metal Sources Through Time. *Lithos*, 233, 2-26
- Goldstein, R.H., 2001. Fluid inclusions in sedimentary and diagenetic systems. *Lithos* 55, 159–193
- Grant, J.A., 1986. The isocon diagram; a simple solution to Gresens' equation for metasomatic alteration. *Economic Geology*, 81, 1976-1982
- Grant, J.A., 2005. Isocon Analysis: A Brief Review of the Method and Application. *Physics and Chemistry of the Earth*, 30, 997-1004
- Gresens, R.L., 1967. Composition-volume relationships of metasomatism. *Chemical Geology*, 2, 47-65
- Groves, D.I.,1993. The crustal continuum model for late-Archean lode gold deposits of the Yilgarn block, Western Australia. *Mineral Deposits*, 28, 366-374
- Groves, D.I., Goldfarb, R.J., Gebre M.M., Hageman.S.G., Robert.F., 1998. Orogenic gold deposit ; A proposed classification in the context of their crustal distribution and relationship to other gold deposits types. *Ore Geology Review*,13, 7-27
- Groves, D.I., Goldfarb, R.J., Robert, F., Hart, C.J.R., 2003. Gold Deposits in Metamorphic Belts: Overview of Current Understanding, Outstanding



- Problems, Future Research, and Exploration Significance. *Economic Geology*, 98, 1-29.
- Guen, M.L., Lescuyer, J.L., Marcoux, E., 1992. Lead-Isotop evidence for a Hercyan origin of the Salsigne gold deposit Southern massif central, france. *Mineralium deposita*, 27, 129-136
- Hageman, S.G., Cassidy, K.F., 2000. Archean Orogenic Lode Gold deposits. *reviews in economic geology*, 13, 9-68
- Hakim, A.Y.A., Melcher, F., Prochaska, W., Bakker, R., Rantitsch, G., 2018. Formation of epizonal gold mineralization within the Latimojong Metamorphic Complex, Sulawesi, Indonesia : Evidence from mineralogy, fluid inclusions and Raman spectroscopy. *Ore Geology Reviews*, 97, 88-108.
- Hall, R. 2002. Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: computer-based reconstructions, model and animations. *Journal of Asian Earth Sciences*, 20, 353-431.
- Hall, R. 2011. Australia–SE Asia collision: plate tectonics and crustal flow. In: Hall, R., Cottam M. A., & Wilson M. E. J. (eds). The SE Asian Gateway: History and Tectonics of the Australia– Asia Collision. Geological Society, London, Special Publication, 355, 75–109.
- Hasria., 2018. Karakteristik mineralisasi emas hidrotermal yang berasosiasi dengan batuan metamorf di pegunungan mendoke dan rumbia pada lengan tenggara pulau sulawesi, Indonesia. *Disertasi*. Universitas Gadjah Mada, Yogyakarta.
- Hedenquist, J.W., Arribas, R.A., Gonzalez-Urien, E., 2000. Exploration for Epithermal Gold Deposits, *SEG Reviews*, 13, 245-277.
- Hernandez, A., Jebrek, M., Higueras, P., Oyarzun, R., Morata, D., Munha, J., 1999. The Almaden mercury mining district-Spain. *Miner depos*, 34, 539-548
- Herron, M.M. 1988. Geochemical Clasification of Terrigenous Sand and Shales from Core or Log Data. *Journal of Sedimentary Petrology*, 85 (5), 820-829
- Hill,C.K., 2012. Tectonic and Regional Structure of Seram and the Banda Arc, indonesia. *Berita sedimentologi*, 23, 5-16
- Honthaas, C., Maury, R.C., Priadi, B., Bellon, H., Cotton, J., 1999. The Plio-Quaternary Ambon arc, Eastern Indonesia. *Tectonophysics*, 301, 261-281
- Idrus, A., Kolb, J., Meyer, F.M., 2009. Mineralogy, lithogeochemistry and elemental mass balance of the hydrothermal alteration associated with gold-rich Batu hijau Porphyry copper deposit, Sumbawa island, Indonesia. *Resource geology*, 59, 215-230
- Idrus, A., Nur, I., Warmada, I.W., Fadlin., 2011. Metamorphic Rock-Hosted Orogenic Gold Deposit Type as a Source of Langkowala Placer Gold, Bombana, Southeast Sulawesi. *Jurnal Geologi Indonesia*, 6, 43-49
- Idrus, A., Prihatmoko, S., Hartono, G.H., Ernowo, Franklin, Moetamar, Setiawan, I., 2014. Some Key Features and Possible Origin of the Metamorphic Rock-



Hosted Gold Mineralization in Buru Island, Indonesia. *Indonesian Journal on Geoscience*, 1, 9-19

- Idrus, A., Prihatmoko, S., Harjanto, E., Meyer, F.M., Nur, I., Widodo, W., Agung, L.N., 2017. Metamorphic rock-hosted orogenic gold Deposit Style at Bombana (Sotheast Sulawesi) and Buru Island (Maluku) : Their Features and Significances for Gold Exploration in Eastern Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, 2, 124-132.
- Jebrak, M., Hernandes, A., 1995. Tectonic deposition of mercury in the Almaden district, Las Cuevas deposit, Spain. *Miner depos*, 30, 413-423.
- Jonasson, I.R., Sangster, D.F., 1978. Zn:Cd ratios for sphalerites separated from some canadian sulphide ore samples, *Paper Geol. Surv. Canada*, 78-11B, 195-201.
- Kemp, G., Mogg, W., 1992. A re-appraisal of the geology, tectonics and prospectivity of Seram Island, Eastern Indonesia. *Proceedings of Indonesian Petroleum Association 21st Annual Convention*, 521–552
- Kingston Morrison, K., 1995. Important Hydrothermal Minerals and Their Significance. Geothermal and Mineral Services Division, Kingston Morrison Limited.
- Klompe, T.H.H.R, 1954a. The structural importance of the Sula Spur (Indonesia). Indonesia. *J. nat. Sci*, 110, 21-44.
- Kolb, J., Kisters, A.F.M., Hoernes, S., Meyer, F.M., 2000. The origin of fluids and nature of fluid-rock interaction in auriferous mylonites of the Renco Mine, southern Zimbabwe. *Mineralium Deposita*, 35, 109-125
- Kretz, R., 1983. Symbols for rock-forming minerals. *American mineralogist*, 68, 277-279
- Lawless, J.V., White, P.J., 1997. Important Hydrothermal Minerals and Their Significance. Geothermal and Mineral Services Division, Kingston-Morrison Ltd., 7th edition.
- Lin, S., 2001. Stratigraphic and Structural Setting of the Hemlo Gold Deposit, Ontario, Canada. *Economic geology*, 96, 477-507.
- Linthout, K., Helmers, H., Sopaheluwakan, J., Nila, E. S., 1989. Metamorphic complexes in Buru and Seram, northern Banda Arc, *Neth. J. Sea Res*, 24, 345-356
- Linthout, K., Helmers, H., Sopaheluwakan. J., 1997. Late Miocene obduction and microplate migration around the southern Banda Sea and the closure of the Indonesia seaway. *Tectonophysics*, 281, 17-30.
- Linthout K., Helmers, H., Wijbrans, J.R., Diederik, J., Vess, V., 1996. 40Ar/39Ar constraints on obduction of Seram ultramafic complex : consequences for the evolution of the southern Banda Sea. In : R. Hall & D. Blundell, Eds.,



- Tectonic evolution of Southeast Asia. *Geol. Soc. London Spec. Publ.*, 455-464.
- MacLean, W.H., Kranidiotis, P., 1987, Immobile elements as monitors of mass transport in hydrothermal alteration: Phelps Dodge massive sulfide deposit, Matagami. *Economic Geology*, 82, 951-962
- McCaffrey, R., Silver, E.A., Rait, R. W., 1980. Crustal structure of the Molucca Sea collision zone, Indonesia. *American Geophysical Union*, 23, 161-177
- McCuaig, T.C., and Kerrich, R., 1998. P-T-t deformation fluid characteristics of lode-gold deposits: Evidence from alteration systematics. *Ore Geol Rev*, 12, 381–453
- Misra, K.C., 1999. Understanding Mineral Deposits, Kluwer Academic Publisher, 758pp.
- Moller, P., 1985. Development and application of the Ga/Ge-Geothermometer for sphalerite from sediment hosted deposits, In German K. (ed.), Geochemical aspects for ore formation in recent and fossil Sedimentary Environments, 15–30
- Monnier, C., Girardeu, J., Permana, H., Rehault, J.P., Bellon, H., Cotton, J., 2003. Dynamics and age of formation of the Seram-Ambon ophiolites (Central Indonesia). *Bull. Soc. geol. Fr.*, 6, 529-543
- Palinkas, L., Strimic, S., Spangenberg, J., Prochaska, W., Herlec, U., 2004. Ore-forming fluids in the Grubler orebody, Idrija mercury deposit, Slovenia. *Schweizerische mineralogische und petrographische mitteilungen*, 84, 173-188
- Patria, A., Hall, R. 2018. Oblique Intraplate Convergence of the Seram Trough, Indonesia. *Bulletin of the Marine Geology*, 33, 41 - 58
- Phillips, G.N., 1986. Geology and alteration of the Golden Mile, Kalgoorlie. *Economic Geology*, 81, 779–808
- Prajono, F., 2009. Hydrothermal processes and mineral system. Geological Survey of Western Australia, Perth, WA, Australia, 885-963
- Poirrasson, F.m Pin, C., Dithou, J.L. 1995. Hydrothermal Remobilization of Rare Earth Element and its Effect on Nd Isotopes in Rhyolite and Granite. *Earth Planetary Science Letters*, 130, 1-11.
- Powell, D.E., 1976. The geological evolution of the continental margin of Northwest Australia. *Journal of Australian Petroleum Exploration Association*, 10, 13-23
- Pownall, J.M., Forster, M.A., Hall, R., Watkinson I.M., 2017. Tectonometamorphic evolution of Seram and Ambon, eastern Indonesia: Insights from $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. *Gondwana research*, 44, 35-53.
- Pownall, J.M., Hall, R., Watkinson, I.M., 2013. Extreme extension across Seram and Ambon, eastern Indonesia : evidence for Banda slab rollback. *Solid Earth*, 4, 277–314



- Poulsen, K.H., Hannington, M.D., 1996. Volcanic-associated massive sulfide gold. *Geological Survey of Canada*, 8, 183–196
- Querubin, C.D., Walter, S., 2012. Geology and Mineralization of Awak Mas: A Sedimentary Hosted Gold Deposit, South Sulawesi, Indonesia. *Majalah Geologi Indonesia*, 27, 69-85
- Reyes, A.G., 1990. Petrology of philipine geothermal systems and the application of alteration mineralogy to their assessment. *Journal of volcanology and geothermal research*, 43, 279-330
- Ridley, J.R., Diamond, L.W., 2000. Fluid chemistry of orogenic lode-gold deposits and implications for genetic models. *Reviews in economic geology*, 13, 141-162
- Robert, F., Brown, A.C., 1986. Archean gold-bearing quartz veins at the Sigma mine, Abitibi greenstone belt, Quebec, part I: Geologic relations and formation of the vein system. *economic geology*, 81, 578–592
- Rollinson, H., 1993. Using geochemical data : evaluation, presentation, interpretation. Longman group, UK, 351
- Roser, B.P., Korsch, R.J., 1986. Determination of tectonic setting of sandstone–mudstone suites using SiO₂ content and K₂O/Na₂O ratio. *J. Geol.*, 94 (5), 635-650
- Rytuba, J.J., 1986. Descriptive model of silica-carbonate Hg, in Cox, D.P., singer, D.A., mineral deposit models. *U.S. geological survey bulletin 1693*, 181
- Rytuba, J.J., Rye, R.O., Hernandez, A.M., Deen, J.A., Arribas, A., Sr., 1988, Genesis of Almaden-type mercury deposits, Almaden-Spain. *28th International Geologic Congress abstracts with program*, 2-741
- Sapiie, B., Hadiana, M., 2014. Analogue Modeling of Oblique Convergent Strike-Slip Faulting and Application to The Seram Island, Eastern Indonesia. *Indonesian Journal of Geoscience*. 1(3), 121-134
- Sapiie, B., Hadiana, M., Patria, M., Adyagharini, A. C., Saputra, A., Teas, P. A., Widodo., 2012. 3D structural geology analysis using integrated analogue sandbox modelling : a case study of the Seram Thrust-fold Belt. *Proceedings, Indonesian Petroleum Association, 37th Annual Convention and Exhibition*, Jakarta.
- Schneider, H.J., Ozgur, N., Palacios, C.M. 1988. Relationship Between Alteration, Rare Earth Element Distribution, and Mineralisation of the Murgul Copper Deposit, Northeastern Turkey. *Economic Geology*, 83, 1238-1246.
- Silverstone, J., Morteani, G., Staude, J.M., 1991. Fluid chanelling during ductile shearing: transformation of granodiorite into aluminous schist in the Tauern Window, Eastern Alps. *Journal of Metamorphic Geology*, 9, 419-431
- Setyawan, B.W., Wijaya, B., Guntoro, A., 2000. Mengurai Perkembangan Tektonik Pulau Seram dan Ambon. *Prosiding IAGI 29th Annual Convention*, 4,33-45
- Shepherd, T.J., Rankin, A.H, Alderton, D.H.M., 1985. A Practical Guide to Fluid Inclusion Studies: Blackie and Son Ltd., Glasgow, 239 pp.



- Sibson, R.H., Robert, F., Poulsen, K.H., 1988. High-angle reverse faults, fluid-pressure cycling, and mesothermal gold-quartz deposits. *Geology*, 16, 551–555
- Spakman, W., Hall, R. 2010. Surface deformation and slab-mantle interaction during Banda arc subduction rollback. *Nature Geoscience*, 3, 562-566.
- Struckmeyer, H.I.M., Yeung, M., Bradshaw, M.T., 1990. Mesozoic Palaeogeography of the Northern Margin of the Australian Plate and its Implications for Hydrocarbon Exploration. Petroleum Exploration in Papua New Guinea. *Port Moresby Proceedings of 1st PNG Petroleum Convention*, 137-152.
- Sun, S. S., McDonough, W. F., 1989. Chemical and isotopic systematics of oceanic basalts: Implications for mantle composition and processes. *Geological Society Special Publication*, 42 (1), 313–345.
- Sunarya, Y., 1986. Kunjungan singkat dengan Aston Mining Limited (Australia) di daerah mineralisasi emas tipe Carlin cekungan Sungai Eme desa Maneo Tinggi dan desa Mulemet (Seti) kecamatan Wahai Seram utara Kabupaten Maluku Tengah Provinsi Maluku. *Laporan*. Tidak dipublikasikan. Pusat Sumber Daya Geologi, Bandung.
- Tampubolon, A., 2005. Indikasi prospek emas di Seram utara Kabupaten Maluku Tengah Provinsi Maluku. *Laporan*. Tidak dipublikasikan, Pusat Sumber Daya Geologi, Bandung.
- Thompson, A.J.B, dan Thompson, J.F.H. 1996. Atlas of Alteration A Field and Petrographic Guide to Hydrothermal Alteration Minerals. Geological Association of Canada, Mineral Deposits Division, Department Of Earth Sciences, 118p.
- Tjokrosapoetro, S., Achdan, A., Suwitudirdjo, S., Rusmana, E.,Abidin, H.Z., 1993. Pemetaan Geologi lembar Masohi sekala 1 : 250.000. Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Tjokrosapoetro, S., Budhitrisna, T., 1982. Geology and tectonics of the northern Banda Arc. *Bulletin of the Indonesian Geological Research and Development Centre*, 6, 1–17.
- Tjokrosapoetro, S., Rusmana, E.,Achdan, A., 1993. Pemetaan Geologi lembar Ambon sekala 1 : 250.000. Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Valk, W.,1945. Contributions to the geology of West Seram, in: Geological, petrographical, and palaeontological results of explorations. *De Bussy-Amsterdam*, 1, 104 pp.
- Van Der Sluis, J. P., 1950. Geology of East Seram, in: Geological, petrographical, and palaeontological results of explorations. *De Bussy-Amsterdam*, 3, 67 pp.
- Van Dongen, M., Weinberg, R.F. and Tomkins, A.G., 2010. REE-Y, Ti, and P Remobilization in Magmatic Rocks by Hydrothermal Alteration during Cu-Au Deposit Formation. *Economic Geology*, 105, 763–776.



- Van Zuidam, R. A., 1983. Guide To Geomorphologic Aerial Photographic Interpretation and Mapping, Section Of Geology And Geomorpholog, ITC Enschede The Netherlands.
- Veevers, J.J., 1982. Western and northwestern margins of Australia. In: Nairn, A.E.M., Stehli, F., *Oceanic Basin*, 513-544.
- Velebil, D., Zacharias, J., 2013. Fluid inclusion study of the Horny Luby cinnabar deposit, saxothuringian Zone, Bohemian Massif : clues for the metamorphic remobilization of mercury. *Journal of geoscience*, 58, 283-298.
- Wadji, M.F., Santoso, S.T.J., Kusumanto, D., Digdowioko, S., 2011. Metamorphic Hosted Low Sulfidation Epithermal Gold System at Poboya, Central Sulawesi : A General Descriptive Review, *Proceedings of The Sulawesi Mineral Seminar*, Manado 28-29 November 2011, 201-210
- Warren, H.V., Thompson, R.M., 1945. Sphalerites from western Canada. *Economic geology*, 40, 309-335.
- White, N.C., Hedenquist, J.W., 1995. Epithermal gold deposits: Styles, characteristics and exploration. *SEG newsletter*, 23 (1), 9-13.
- White, T.L., 1996. Cryogenic Alteration of Clay and Silt Microstructure, Implication for Geotechnical Properties. Ottawa: Carleton University.
- Whitney, D.L., Evans, B.W., 2010. Abbreviations for names of rock-forming minerals. *American mineralogist*, 95, 185-187.
- Wilkinson, J.J., 2001. Fluid Inclusions in Hydrothermal Ore Deposits. *Lithos*, 55, 229-272.
- Winkler, H.G.F., 1979. Petrogenesis of Metamorphic Rocks, Springer-Verlag, New York, 344 pp.
- Xuexin,S.,1984. Minor Elements and Ore Genesis of the Fankou Lead-Zinc Deposit, China. *Mineral Deposita*, 19, 95-104.



LAMPIRAN – LAMPIRAN

1. Lampiran 1. Peta – Peta penelitian
 - Lampiran 1.1 Peta Lintasan wilayah Tamilouw – Haya
 - Lampiran 1.2 Peta Pengambilan sample batuan wilayah Tamilouw – Haya
 - Lampiran 1.3 Peta Geomorfologi wilayah Tamilouw – Haya
 - Lampiran 1.4 Peta Geologi wilayah Tamilouw – Haya
2. Lampiran 2. Deskripsi data lapangan
3. Lampiran 3. Analisis mikroskopi bijih
4. Lampiran 4. Analisis petrografi batuan
5. Lampiran 5. Inklusi fluida
 - Lampiran 5.1 Hasil Analisis Inklusi fluida wilayah Iha – Luhu
 - Lampiran 5.2 Hasil Analisis Inklusi fluida wilayah Tamilouw – Haya
6. Lampiran 6. Data geokimia batuan (ICP-MS dan ICP-AES)
7. Lampiran 7. Data geokimia bijih
 - Lampiran 7.1 Data kimia bijih wilayah Tamilouw – Haya (FA-AAS)
 - Lampiran 7.2 Data kimia bijih wilayah Rumahkay – Air Buaya (*sebagai lampiran*)
 - Lampiran 7.3 Data geokimia bijih cinnabar (*Bulk*)
 - Lampiran 7.4 Data geokimia bijih cinnabar (Semikualitatif XRF)
8. Lampiran 8. Analisis data XRD
9. Lampiran 9. Analisis data Micro-XRF dan SEM-EDS