

REFERENCES

- Albani, A., (2001). *Evaluasi Candangan Timah, Daerah Lembah Jambu, Kecamatan Payung, Kabupaten Bangka, Propinsi Kepulauan Bangka Belitung*. Unpublished undergraduate degree final paper, UGM library.
- Anonim, (1978). *Koba Tin Project, Bangka Tin Island, Indonesia*. An unpublished report.
- Archbold, N. W., (1983). *A Permian nautiloid from Belitung, Indonesia*. Geological Research and Development Centre, Bandung, Palaeontology Series, 4: 32-36.
- Aye, S. S., (2009). *Sustaining Society Development in Myanmar through Research on Natural Resources and Materials*. Proceedings of the second Regional Conference Interdisciplinary Research on Natural Resources and Materials Engineering: Yogyakarta, Indonesia.
- Barnes, H. L., (1997). *Geochemistry of hydrothermal ore deposits*. Toronto: John Wiley and Sons, Inc. 972p.
- Batchelor, B., (1970). *Economic Geology and Exploration Potential of the Indonesia Tin Province*. Mining Geology Division, Department of Geology, Imperial College of Science and Technology: University of London.
- Batchelor, B., (1979). *Geological Characteristics of Certain Coastal Offshore Placers as Essential Guides for Sn Exploration in Sunda Land, SEA*. Mining Geology Division, Department of Geology, Imperial College of Science and Technology: University of London.
- Batchelor, D., and Surawardi, N., (2008). *Tin Placers Article in Mineral Deposits in the Sea: 22nd Report of the ECOR Panel on Marine Mining, September 2008*.
- Beckinsale, R. D., (1979). *Granite Magmatism in the Tin Belt of South East Asia (SEA)*. Geochemical Division of Geological Sciences, Gray's Inn Road, London, UK.
- Beckinsale, R. D., Suensilpong, S., Nakapadungrat, S., and Walsh, J.N., (1979). *Geochronology and geochemistry of granite magmatism in Thailand in relation to plate tectonics model* in J. Geological Society (London), 136: 529-540.
- Bemmelen, R.W.V., (1970). *The Geology of Indonesia*. Volume 1A: Second Edition. Martinus Nijhoff; The Hague: Netherlands.
- Best, M.G., (2006). *Igneous and Metamorphic Petrology: Second edition*. Oxford: Blackwell Science Ltd. pp729.



- Bon, E. H., (1979). *Exploration techniques employed in the Pulau Tujuh tin discovery*. In: A. Priyono, C. Long and R. Sweatman (Editors), *The Indonesian Mining Industry, its Present and Future*. IMA, Jakarta, pp. 147-183.
- Cameron, N. R., Clarke, M.C.G., Alms, D.T., Aspden, J.A., and Djunuddin, A., (1980). *The geological evolution of northern Sumatra*. In: Indonesian Petroleum Association, *Proceedings of the 9th Annual Convention*, Jakarta, 1980, 9: 149-187.
- Charusiri, P., Clark, A. H., Farrar, E., Archibald, D. and Charusiri, B., (1993). *Granite belts in Thailand: Evidences from the $^{40}\text{Ar} / ^{39}\text{Ar}$ geochronological and geological syntheses*. *J. Southeast Asian Earth Sciences*, 8: 127-136.
- Chen, P.Y., (1977). *Table of key lines in X-ray powder diffraction (XRD) patterns of minerals in clays and associated rocks*. Indiana; Department of Natural Resources Geological Survey Occasion Paper 21: 42pp.
- Cobbing, E. J., (2005). *Granites*. In Barber, A.J., Crow M.J., and Milson, J.S. (eds). *Sumatra: Geology, Resources and Tectonic Evolution*. Geological Society, London, *Memoirs* 2005, 31: 54-62.
- Cobbing, E. J., and Mallick, D. I. J., (1984). *South East Asia Granite Project Preliminary Report - Indonesia*. British Geological Survey Overseas Division Report No. 1984/2, 41 p.
- Cobbing, E. J., Pitfield, P. E. J., Darbyshire, D. P. F. and Mallick, D. I. J. (1992). *The granites of the South-East Asian Tin Belt*. British Geological Survey Overseas *Memoir*, 10: 369p.
- Corbett, G. J., and Leach, T. M., (1994). *Southwest Pacific Rim gold copper systems: Structure, Alteration, and Mineralisation*. Society of Economic Geologists special Publication number 6: 236pp.
- Crow, M. J., and Van Leeuwen, T.M. (2005). *Metallic mineral deposits*. In Barber, A.J., Crow M.J., and Milson, J.S. (eds). *Sumatra: Geology, Resources and Tectonic Evolution*. Geological Society of London, *Memoirs*, 2005; 31: 147 -174.
- Dieperink, F. H. J., (1979). *Mining offshore tin deposits in the Pulau Tujuh area (Indonesia)*. In: A. Priyono, C. Long and R. Sweatman (Editors), *The Indonesian Mining Industry, its Present and Future*. IMA, Jakarta, pp. 70-80.
- Edward, R., and Atkinson, K., (1993). *Ore Deposit Geology and its Influence on Mineral Exploration*. Chapman Hall: London.



- Emsley, J., (2001). *Nature's Building Blocks: An A–Z Guide to the Elements*. Oxford, England: Oxford University Press.
- Evans, A. M., (1993). *Ore Geology and Industrial Minerals: An Introduction*. Blackwell Scientific Publications: London.
- Garson, M. S., Young, B., Mitchell, A. H. G. and Tait, B. A. R., (1975). *The Geology of the Tin Belt in Peninsular Thailand around Phuket, Pangnga and Takua Pa*. Institute of Geological Sciences, Overseas Memoir, 1: 112p.
- Gasparon, M. and Varne, R., (1995). *Sumatran granitoids and their relationship to Southeast Asian terranes*. *Tectonophysics*, 251: 277-299.
- Gocht, W., Hagelucken, C., and Chairit, S. P., (1990). *Identification, Mining and Processing of Economically Viable Tin Tailing Dumps in South East Asia: Mineral Development in Asia and The Pacific Proceeding (14 – 17 March 1990)*. Jakarta: Indonesia
- Hall, R., (2014). *The origin of Sundaland*. In Proceedings of Sundaland Resources 2014 MGEI Annual Convention, 17-18 November 2014, Palembang, South Sumatra, Indonesia: p1-25.
- Hamilton, W. B. (1979). *Tectonics of the Indonesian Region*. Professional Paper 1078, U.S. Geol. Surv., Washington, DC, 345 p.
- Hutchinson, R. W., (1986). *Massive sulphide deposits and their possible significance to other ores in Southeast Asia*. *Geological Society of Malaysia Bulletin*, 19: 1-22.
- Hutchison, C. S., (1975). *Ophiolites in Southeast Asia*. *Geological Society of America Bulletin*, 86: 797 – 806.
- Hutchison, C. S., (1977). *Granite emplacement and tectonic subdivision of Peninsular Malaysia*. *Geological society of Malaysia Bulletin*, 9: 31 – 35.
- Hutchison, C. S., (1983). *Economic Deposits and their Tectonic Setting*. The Macmillan Press Ltd, London. p. 365.
- Hutchison, C. S., (1984). *The Tin Metallogenic Provinces of S.E. Asia and China: A Gondwanaland Inheritance*. In Hutchison, C. S. (ed) *Geology of Tin Deposits*, Springer-Verlag, 225-234.
- Hutchison, C. S., (1994). *Gondwana and Cathaysian blocks, Palaeotethys sutures and Cenozoic tectonics in South-East Asia*. *Geologische Rundschau*, 82: 388-405.

- Hutchison, C. S., (1996). *South-East Asian Oil, Gas, Coal and Mineral Deposits*. Oxford Monographs on Geology and Geophysics, 36, Oxford University Press, Oxford, 265p.
- Hutchison, C. S., and Taylor, D. (1978). *Metallogenesis in SE Asia*. J. Geological Society (London), 135, 407 – 428.
- Imai, A., Ikuno, T., Sanematsu, K., Sueoka, T., Ishida, S., Watanabe, K., Sitha, K., Setijadji, L. D., and Boosayasak, J., (2009). *Rare Earth Elements in Weathered Crusts of Granitic Rocks in Southeast Asia Tin Belt (Northern Thailand, Southern Thailand (Ranong-Takua Pa-Phuket) and Bangka Island, Indonesia)*. In: Proceedings of the 2nd Regional Conference - Interdisciplinary Research on Natural Resources and Materials Engineering. Yogyakarta, pp 45-52.
- Ishihara, S., (1981). *The granitoid series and mineralization*. Economic Geology, 75th Anniversary Volume, 458-484.
- Ishihara, S., Sawata, H., Shibata, K., Terashima, S., Arrykul, S. and Sato, K. (1980). *Granites and Sn-W deposits of Peninsula Thailand*. Mining Geology Special Issue no. 8: 223 – 241.
- Kerr, P. F., (----). *Formation and Occurrence of Clay Minerals*. Unknown publishers. 19 – 32.
- Koko, U., (1984a). *Geology of Pemali primary tin deposit, Bangka Island, Indonesia*: SEATRAD Centre (Ipoh) Report of Investigation No. 18, 10 p.
- Koko, U., (1984b). *Preliminary synthesis of the geology of Bangka Island, Indonesia*: SEATRAD Centre (Ipoh) Report of Investigation No. 27, 15 p.
- Koko, U., (1986). *Preliminary synthesis of the geology of Bangka Island, Indonesia*. Geological Society of Malaysia Bulletin, 20: 81-96.
- Lehmann, B., and Harmanto, (1990). *Large scale tin depletion in the Tanjung Pandang tin granite, Belitung Island, Indonesia*. Economic Geology, 85: 99- 111.
- Lewis, D. W., and McConchie, D., (1994). *Analytical Sedimentology*. Chapman and Hall, London. p197.
- MacKenzie, W. S., Donaldson, C. H., and Guilford, C., (1982). *Atlas of Igneous rocks and their textures*. New York: John Wiley and Sons. p148.
- MacKenzie, W. S., Donaldson, C. H., and Guilford, C., (----). *Atlas of rock forming minerals in thin sections*. New York: John Wiley and Sons. p100.



- Manaf, A., and Ridwan, (1998). *Current Status of Research and Development on Magnetic Materials in Indonesia*. Prosiding Pertemuan Ilmiah Sains Materi III. Serpong: Indonesia. 20 -21 October 1998.
- Mange, M. A., and Maurer, H. F. W., (1992). *Heavy Minerals in Colour*. London: Chapman and Hall.
- Marshall, D., Anglin, C. D, and Mumin, H., (2004). *Ore Mineral Atlas*. Geological Association of Canada – Mineral Deposits Division: New foundland. p112.
- McCourt, W.J., Crow, M.J., Cobbing, E.J. and Amin, T.C. (1996). *Mesozoic and Cenozoic plutonic evolution of SE Asia: evidence from Sumatra, Indonesia*. In Hall, R. and Blundell, D.J.(Eds.), *Tectonic evolution of Southeast Asia*, Geological Society Special Publication, 106: 321-335.
- McDonough, W. F., and Sun, S. S.,(1995). *The composition of the Earth*. Elsevier Publishers, *Journal of Chemical Geology*. 120: 223-253.
- Metcalf, I., (1984). *Stratigraphy, palaeontology and palaeogeography of the Carboniferous of Southeast Asia*. *Memoires de la Societe Geologique de France*, 147: 107-118.
- Metcalf, I., (1996). *Pre-Cretaceous evolution of SE Asian terranes*. In Hall, R. and Blundell, D.J.(Eds.), *Tectonic evolution of Southeast Asia*, Geological Society Special Publication, 106: 97-122.
- Metcalf, I., (2006). *Palaeozoic and Mesozoic tectonic evolution and palaeogeography of East Asian crustal fragments: The Korean Peninsula in context*. *Gondwana Research*, 9: 24–46.
- Mitchell, A. H. G., (1977). *Tectonic settings for the emplacement of the South East Asian tin granites*. *Geological Society of Malaysia Bulletin*, 9, 123 – 140.
- Morton, A. C., (1984). *Stability of detrital heavy minerals in Tertiary sandstones of the North Sea Basin*. *Clay Minerals*, 19: 287-308.
- Perkins, D., and Henke, K. R., (2000). *Minerals in thin sections*. New Jersey: Prentice Hall.
- Pitfield, P. E. J. (1987). *Report on the geochemistry of the Tin Islands of Indonesia*. Report No. MP/87/9/R Overseas Directorate, British Geological Survey.
- Priem, H. N. A., Boellrijk, N.A.I.M., Don, E.H. and Hebeda, E.H., Verdurmah, E.A.T.H. and Verschure, R.H., (1975). *Isotope geology in the Indonesian Tin Belt*. *Geologic en Mijnbouw*, 54: 61-70.
- PT TIMAH Persero (Tbk)., (2014). *Geological and structural geology map of Pemali Tin Mine*. Exploration Geology Department (Unpublished company documents).



- Pulunggono, A., and Cameron, N. R., (1984). *Sumatran microplates, their characteristics and their role in the evolution of the Central and South Sumatra basins*. In: Indonesian Petroleum Association, Proceedings of the 13th Annual Convention, 13: 1221 - 1443.
- Rollinson, H. R., (1993). *Using Geochemical Data: Evaluation, Presentation, Interpretation*. Singapore: Longman Singapore Publishers. pp352.
- Rona, P. A., (2008). *The Changing Vision of Marine Minerals: Ore Geology Reviews*, 33: p.618-666.
- Schwartz, M. O., and Askury, A.K., (1990). *Granite magmatism and tin-tungsten metallogenesis in the Kuantan-Dungun area, Malaysia*. Bulletin of the Geological Society of Malaysia, 26, 147-179.
- Schwartz, M. O., and Surjono (1990a). *Sungei Isahan – a new primary tin occurrence in Sumatra*. Bulletin of the Geological Society of Malaysia, 26, 181 - 188.
- Schwartz, M. O., and Surjono (1990b). *The strata-bound tin deposit Nam Salu, Kelapa Kampit, Indonesia*. Economic Geology, 85, 76-98.
- Schwartz, M. O., and Surjono, (1990). *The Pemali Tin Deposit, Bangka, Indonesia*. Mineralium Deposita, 26, 18 – 25. Springer-Verlag publishers.
- Schwartz, M. O., and Surjono, (1990c). *Greisenization and Albatization at the Tikus Tin – Tungsten Deposit, Belitung, Indonesia*. Journal of Economic Geology: 85: p 691 – 713.
- Scott, S., Hein, J., Atmanand, M.A., Heydon, D., Batchelor, D., Surawardi, N., Hobbs, C., Finkl, C., Morgan, C., Rona, P., Garnett, R., and Goodden, R., (2008). *Mineral Deposits in the Sea* in 22 Second Report of the ECOR Panel on Marine Mining.
- Setijadji, L. D., (2013). *Applied Petrolog: Granitic Rocks or Granitoids*. Postgraduate Coursework Lecture Notes: University of Gadjah Mada, Department of Geological Engineering (unpublished).
- Setijadji, L. D., (2014). *Regional Evaluation on the Rare Earth Elements (REE) Mineralization Potentials in the Sundaland of Indonesia*. In Proceedings of Sundaland Resources 2014 MGEI Annual Convention. 17-18 November 2014, Palembang, Sumatra.
- Setijadji, L. D., Warmada, I. W., Imai, A., and Sanematsu, K., (2009). *Investigation on Rare Earth Elements Mineralisation in Indonesia: Proceedings of the 2nd Regional*

- Conference - Interdisciplinary Research on Natural Resources and Materials Engineering. Yogyakarta, pp 53-58.
- Setijadji, L.D. and Warmada, I.W. (2009). *Overview on rare earth elements (REE) mineralization and its potentials in Indonesia based on first-phase investigations in Bangka and Belitung islands*. Proceedings of the Seminar Hi-Link Project UGM, Yogyakarta.
- Smith, J. (ed.), (2006). *The Facts on File Dictionary of Earth Science*. New York: Market House Books Ltd. p. 401.
- Sujitno, S., Ronojudo, A. and Muljadi, (1981). *The occurrences of complex tin-ore in Belitung, Indonesia*, In: A. Hasbi and H. van Wees (Editors), *Complex Tin Ores and Related Problems*. Southeast Asia Tin Research and Development Centre, Ipoh, Malaysia, Tech. Pub. 2, pp. 107-136.
- Sukadana I. G., Indrastomo, F.D., Widito,P., and Setiawan,K. W., (2012). *Identifikasi Batuan Sumber dan Sebaran Endapan Aluvial Mengandung Monasit di Kabupaten Bangka, Provinsi Bangka-Belitung*. Pusat Pengembangan Energi Nuklir – BATAN.
- Suntoko, H., Sunarko, and Mellawati, J., (2011). *Kajian Material bawah Permukaan pada PRA-Survei tapak PLTN di Pulau Bangka*. Pusat Pengembangan Energi Nuklir – BATAN.
- Taylor, R. G., (1979). *Geology of Tin Deposits*. Amsterdam: Elsevier Scientific Publishing Company. p. 543.
- Taylor, S. R., and McClennan, S. M., (1985). *The Continental Crust: Its Composition and Evolution*. Oxford, UK: Blackwell Scientific Publications.
- Thompson, A. J. B., and Thompson, J. F. H.,(eds), (1996). *Atlas of alteration*. Geological Society of Canada. Newfoundland. 75p.
- Van Leeuwen, T. M., (1994). *25 years of mineral exploration and discovery in Indonesia*. Journal of Geochemical Exploration, Elsevier, 50: 13–90.
- Van Wees, H. and De Vente, C.P., 1984. *The primary tin-magnetite deposit of Gunung Selumar, Belitung Island, Indonesia: Interim results of an exploration research study with ore genetic implications*. Unpubl. SEATRAD report No. 22, 77 pp.
- Wilson, M., (1989). *Igneous petrogenesis: A global tectonic approach*. Unwin Hyman, 466pp.
- Winter, J. D., (2001). *An introduction to igneous and metamorphic petrology*. Prentice Hall, New Jersey, 697p.