References

- Ahmad, P., Yusof, F., Abdullah, F. (2013). Local economic growth and community sustainability. Social and Behavioral Sciences, 101(8), 437 444.
- Anonymous. (2016). Composition of air element. Retrieved from http://physicsworld.nanacity.com/physicsworld/lesson/world4.htm.
- Applied Economics Research Center. (2016). Complete report on Evaluation on Implementation of Master Plan for Solving Forest Destruction, State Land Invasion and Sustainable Natural Resource Management, 10 Years (2014-2023). Bangkok: Thailand, Kasetsart University.
- Baansrang, J. (2011). When the first carbon credit of Thai forests emerged to the world markets. *Green World Foundation*. Retrieved from http://www.web.greenworld.or.th/columnist/situation/1156.
- Bank of Agriculture and Agricultural Cooperatives. (2010). *Tree Bank:*The Way of Sufficiency, Stability and Sustainability. Bangkok, Thailand:

 Bank of Agriculture and Agricultural Cooperatives.
- Bock, C. (1884). *Temples and Elephants*. Bangkok, Thailand: Matichon Publishing Company (Ltd.).
- Bock, C. (2000). *Temples and Elephants*. Bangkok, Thailand: Matichon Publishing Company (Ltd.)
- Bonham, C.D. (1989). *Measurements for Terrestrial Vegetation*. New York:

 John Wiley and Sons Inc.

- British Columbia Institute of Technology. (2016). *Molar volume of a gas*. Retrieved from http://nobel. scas.bcit.ca/chem0010/unit7/mole8.htm.
- Brundtland Commission. (1987). Report of the World Commission on Environment and Development: Our Common Future. Oslo, Norway: United Nations.
- Buakhamsri, T. (2013). *Amazonian forest and changes in land uses*. Retrieved from https://taragraphies.org/2012.
- Buddaradee, P. (2009). Corporate Social Responsibility of Business sectors in Rural

 Development. A case study on Check dam building at Sa Sob Hok

 Community, Lampang. Master Thesis. Bangkok, Thailand: Kasetaert

 University.
- Camirand, R. (2002). Guidelines for Forest Plantation Establishment and

 Management in Jamaica. Canadian International Development Agency.

 CIDA Contract No.504/15808.
- Chae Sorn National Park. (2016). *Mae Mon Hydropower Plants 1 2, official paper*.

 Lampang province. Thailand: Chae Sorn National Park.
- Chaipattana Foundation. (no date). The theory of forest restoration and development due to royal initiative. Retrieved from http://www.chaipat.or.th/site_content/68-4/254-theory-developed-forest-restoration.html.
- Chamchom, J., Chalermsuk, B., Wannasuwong, K., Pingpai, B., Uttiya, C.,
 Chaichana, A., Thaokum, B., Yaso, T., Wongpanya, T., Wongtakun, C.,
 Wongtakun, S., Chanchom, M. and Wannasuwong, S. (2003).

 Debt Problem Solving in Baan Sam Kha, sub district of Hua Suea, Maeta districe, Lampang province. The Thailand Research Fund.

- Chamram, P. (2003). Management of Community Forest for Cultural Resources:

 A Case Study in Baan Sam Kha Moo 6 Hua Suea sub district, Maeta
 district Lampang province. Maser thesis. Bangkok, Thailand: Silpakorn
 University.
- Chankeow, K. and Bulyawat, S. (1995). Forest Resource Management Handout.

 Faculty of Forestry. Bangkok, Thailand: Kasetsart University.
- Chantarathian, R. (2011). *Community forest Act*. Retrieved from http://www.seub.or.th/index.php?option=com_content&view=article&id=3:rataya&catid=1:2009-10-07-09-26-02&Itemid=2.
- Chumpa, J. (2010). Water Resources Management at Baan Sam Kha. Master thesis.

 Khon Kaen, Thailand: Khon Kaen University.
- Community Develop Department, Cha Am. (2012). Cha-Am district, Petcha Buri: Village Development Report. Community Development Cha-Am Office.
- Danrath, N., Marod, D., Pan Utai, S. and Thinkampaeng, S. (2017). Amount of litter fall and decomposition rates in the Mixed Deciduous Forest Maeklong

 Watershed Research Station, Kanchanaburi Province. Paper presented at the 6th Thai Forest Ecological Research Network, 19 20 January 2017.

 Nakorn Prathom: Mahidol University.
- Davis, V., Burger, J.A., Rathfon, R., Zipper, C.E. and Miller, C.R. (2012). *Selecting Tree Species for Restoration of Appalachian Mined Land*. The Appalachian Regional Reforestation Initiative, Forest Reclamation Advisory No. 9

- Department of Alternative Energy and Energy Conservation (2013). Retrieved from http://weben.dede.go.th/webmax/content/report-2013
- Drucker, D. P., Costa F. R. C., and Magnusson, W. E. (2008). How wide is the riparian zone of small streams in tropical forests? A test with terrestrial herbs. *Journal of Tropical Ecology*, 24, 65 74.
- Forest Biodiversity Division. (2009). Biodiversity. Retrieved from:

 http://biodiversity.forest.go.th/index.php?option=com_content&view=article
 &id=46:test&catid=25:the-project&Itemid=68.
- Forest Rehabilitation Research Unit. (2006). Make Planting be a Forest: Concept and Code of Conduct for Tropical Forest Rehabilitation. Department of Biology, Faculty of Science, Chiang Mai, Thailand: Chiang Mai University.
- Forest Rehabilitation Research Unit. (2008). Research for Tropical Forest

 Rehabilitation: Operation Manual. Department of Biology,

 Faculty of Science, Chiang Mai, Thailand: Chiang Mai University.
- Helmenstine, T. (2016). How much water is a mole of water? Retrieved from http://chemistry.about.com/od/moles/a/How-Much-Water-Is-A-Mole-Of-Water.htm.
- Huai Hong Khrai Royal Development Study Centre. (2013). 2013 Annual Report.

 Tipayanettara printing. Chiang Mai, Thailand.
- Huai Hong Khrai Wildlife Breeding Center. (2016). Research on Dynamics and Development of Forest Resources. Huai Hong Khrai Royal Development Study Centre. Chiang Mai, Thailand.

- Huai Sai Royal Development Study Center. (2017). *History*. Retrieved from: http://www.huaysaicenter.org/index2.php?ge=nav_view&gen_lang=030216 035845&lang=.
- Hubbert, M. K. (1956). Retrieved from:

 https://en.wikipedia.org/wiki/Hubbert peak theory
- Hydro and Agro Informatics Institute. (2015). *Drought in 2114 2015*. Retrieved from: http://www.thaiwater.net/current/drought58/drought58.html.
- Intarayotha, U. (1998). Structure of Dry Evergreen Forest at Sakaerat Environmental Research Station. Master thesis. Bangkok, Thailand: Kasetsart University.
- Internal Security Operations Command. (2014). *Master Plan for Forest Resource*Destruction and its Resolution. Support Division, Army War College,

 Bangkok, Thailand: Royal Thai Army.
- Kasetsart University. (2000). Environmental Technology and Life. Bangkok,
 Thailand, Kasetsart University.
- Lagkhanaworagul, R. (2014). Forests and Climate Changes. Environment Division.

 Forest Conservation and Plant Research Office. Bangkok, Thailand:

 National Park, Wildlife and Plant Conservation Department.
- Lampang Government Center (2017) Retrieved from: http://www.lampang.go.th/lampangENG/
- Luangjam, J. (2008). *CDM Reforestation Project*. Research and Development Office.

 Bangkok, Thailand: Royal Forest Department.
- Magurran, A.E. (1991). *Ecological Diversity and Its Measurements*. New York:

 Chapman and Hall.

- Manager Online. (2007). Sakaerat forest, the most attractive areas. Retrieved from: http://www.manager.co.th/Science/ViewNews.aspx?NewsID=9500000021605
- MedThai. (2013). Yangna: 27 items of properties and its medicinal benefits.

 Retrieved from http://www.MedThai.com/ยางนา/.
- MedThai. (2013). Java plum: 23 items of its properties and medicinal benefits.

 Retrieved from http://www.MedThai.com/หว้า/.
- Mingthipon, O. and Tharachai, Y. (2012). The success of the development and restoration of forests with water dams. To develop ecosystems, forests and streams in the plant genetic conservation area Huai Joao foothills in San Sai, Chiang Mai. Chiang Mai: Thailand.
- Ministry of Energy. (2015). *Alternative Energy Development Plan AEDP2015*.

 Bangkok, Thailand: Department of Alternative Energy Development and Efficiency. Ministry of Energy.
- Moalem, M. (2016). Let's say that Venus has been terraformed and now is a earth-like world. How strong sunlight would be on Venus? Retrieved from https://www.quora.com/Lets-say-that-Venus-has-been-terraformed-and-now-is-a-Earth-like-world-How-strong-sunlight-would-be-on-Venus.
- Nartsupha, C. (2011). Community Economic Concept: Theoretical Approaches in Different Social Contexts. Bangkok, Thailand: Srangsan Publishing Limited Company.
- National Statistical Office. (2009). *Celebrate the One Hundred Year of Census in Thailand: 2010 Population and Household Census*. 11th symposium on What do Thailand get from population and household census in 2010.

- Bangkok, Thailand.
- Neslen, A. (2015). European carbon market reform set for 2019. Retrieved from https://www.theguardian.com/environment/2015/feb/24/european-carbon-emissions-trading-market-reform-set-for-2019.
- Odum, E. P. (1971). Fundamentals of Ecology. Philadelphia: Saunders.
- Office of 1st Strategic Management and Integration Studies. (2012). *Wisdom: Ecovalue*. Phichit: Duangdeearun Publishing.
- Okimori, Y.; Thodjib, A. and Rudjiman, A. (1996). Forest Structure and Growth of Residual Trees and Sapling in the Logging-over Forest in Jambi, Sumatra.

 Proceeding of the FORTROP'96: TropicalForestry in the 21st Century.

 Bangkok, Thailand.
- Protected Area Regional Office 13 Lampang Brunch. (2016). *A Project on Biodiversity Survey in Protected area in 2016*. Lampang, Thailand: Protected Area Regional Office 13 Lampang brunch (Paro 13).
- Phonpanpua, P. (2011). Watershed Rehabilitation, Natural Reservoir.

 Bangkok, Thailand: Watershed Extension and Development Division.

 Watershed Conservation and Management. National Park, Wildlife and Plant Conservation Department.
- Planning Division 2nd Irrigation Office. (2015). *Reservoirs*. Retrieved from http://www.ori2.go.th/plans/index.php?option=com_content&view=article& Itemid=159&id=61:reservoir-lampang.
- Pongboon, K., Pattanasuwan, P., On-Arsa, S. Pan-Utai, S., Deesang, B. and Phuanda, J. (2010). *Impact of Forest Fires on Soil and Water Loss in Watershed Areas*. Watershed Research Division. Watershed Conservation and

- Management Office. National Park Wildlife and Plant Conservation

 Department. Bangkok: Thailand
- Pongklang, T. (2011). *Study Report on Carbon Credit*. Thonburi, Bangkok, Thailand: Faculty of Energy, Material and Environment. King Mongkut's University of Technology.
- Punlum, Ph. (2000). *Impact of deforestation on flood and drought on the upper Chao Praya River Basin*. Master thesis. Bangkok, Thailand: Kasetsart University.
- Quinby, P. A., H. Heckathorne, M. Henry, and Lee, T. (1999). *Plant Species in the Riparian Zone in the East End of Blueberry Lake, Temagami, Ontario:*A pilot Study. Forest Landscape Baselines No. 20. Ancient Forest Exploration & Research organization. 154 Wright Ave., Toronto, Ontario M6R 1L2.
- Rakariyadharm, P. (2016). Retrieved from http://www.nation.ac.th/
- Rasul, G. (2015). Managing the food, water, and energy nexus for achieving the Sustainable Development Goals in South Asia. *Environmental Development*, 18, 14 25.
- Royal Forest Department. (1996). 100 Years of Thai' Forestry Science. Bureau of Forestry Office. Royal Forest Department. Bangkok: Thailand.
- Royal Forest Department. (2010). The Care of Trees after Planting: Knowledge for Supporting the Planting Operation and Restoration of Forest. Bangkok,

 Thailand:
- Royal Forest Department. (2016a). *Forest Statistics 2015*. Forestry Information

 Center. Planning and Information Office, Thailand: Royal Forest

 Department Bangkok.

- Royal Forest Department. (2016b). *Community forests*. Retrieved from http://www.forest.go.th/index.php?option=com_docman&task=doc_downlo ad&gid=5&Itemid=540&lang=th.
- Royal Forest Department. (2016c). *National forestry policy*. Retrieved from http://www.forest.go.th/index.php?option=com_content&view=article&id=3 04&Itemid=413.
- Royal Forest Department. (no date). *Types of forests in Thailand*. Retrieved from http://www.forest.go.th/index.php?option=com_content&id=311.
- Ruengsilapa, C. (1998). *Thai Economic History Between 1809 1910*.

 Bangkok, Thailand: Thai Wattana Panich.
- Shaema, J., Klingfung, Th., Tareaw, Ch., Thanchai, Ch., Manyum, S., Shaema, A., Arttaweekun, P., Paopit, B., Klingfung, D., Konsung, D., Tonapho, W., Laemkha, P., Suetong, S., Ngamsom, N. and Na-ngam, B. (2010). *People Participation in Continuation of Mon Kon Khao Legendary. Moo 2 Baan Sa Sob Hok. Baan Sa sub-district. Chaehom district. Lampang province*. Local Research Section, The Thailand Research Fund.
- Simberloff, D. and Abele, L.G., (1976). Island biogeography theory and conservation practice. *Science*, 191, 285 286.
- Simberloff, D. and Abele, L.G., (1982). Refuge design and island biogeographic theory: effects of fragmentation. *Am. Nat, 120*, 41 50.
- Sueb Nakasathian Foundation. (2016). *Thailand's forest complexes*. Retrieved from http://www.seub.or.th/index.php.

- Sukkorn, K. (2009). Local Wisdom in the Check Dam Buildings: ACase Study at Baan Kuew Tha Klang-Tha Tai, Baan Kuew Sub-district. Maeta District.

 Lampang province. Master Thesis. Lampang,

 Thailand: Suan Dusit Rajabhat University (Lampang Campus).
- Sukkorn, K., Wipasrinimit, W.; Chainan, A.; Toanabudtara, Ch. and Supachantarasok,
 Ph. (2012). Local Wisdom in the Sustainable Management of Natural

 Resources. Project on Knowledge for Ecological Values: Upper Northern

 Province Cluster I, Fiscal year 2012.
- Teffer, P. (2016). *EU carbon credits drop below €6*. Retrieved from https://euobserver.com/environment/132045.
- Thailand Greenhouse Gas Management Organization: Public Organization. (2017).

 Retrieved from http://www.tgo.or.th/2015/thai/index.php
- Thailand Research Fund. (2016). "Tippala's hydropower plant in Baan Sam Kha"

 community and lesson learn from value of water. Retrieved from:

 http://www.trf.or.th/index.php?option=com_content&view=article&id=342:
 2013-12-03-08-01-51&catid=63&Itemid=212.
- ThaiPublica. (2011). Flood crisis in 2011. Retriéved from http://thaipublica.org/2011/12/world-bank-flood-damage/.
- Thammanon, P.; Sahunalu, P. and Sawannaphinanta, W. 1982. Tree Dynamics and Natural Reproduction in Canopy's Gap of Dry Evergreen Forest, Sakaerat Pak Thonfchai Nakorn Rachasrima. Research report to National Research Council. Bangkok: Thailand.

- Thammanon, P. and Sahunalu, P. (1994). Study on Growth cycle of Dry Evergreen

 Forest. Research report to National Research Council. Bangkok: Thailand.
- Thansettakij. (2016). 2016 Severe drought crisis has been over: There is a positive sign, keep an eye on water in coming dry season. Retrieved from http://www.thansettakij.com/2016/06/27/65734.
- Thitirojjanawat, P., Desaeng, B., Chiamchit, P., Puanda, Ch., On-Arsa, Ch., Tipparot, P. and Siripaipan, S. (2011). What do People Get from Watershed Research?

 Watershed Research Division. Watershed Conservation and Management.

 National Park, Wildlife and Plant Conservation Department. Bangkok:

 Thailand.
- Wanghongsa, S.; Boonkird, K. and Wisittiwong, P. (2005). Diversity of trees in Khao Ang Rue Nai Wildlife Sanctuary. *Wildlife Yearbook*, 5, 12 22.
- Wannawiset, W. (2015). *Carbon credit: business for diminishing global warming*.

 Retrieved from

http://www.library.senate.go.th/document/Ext9395/9395436_0002.PDF.

- Watpasantisook yanasampanno. (2014). Wild mango reintroduction project.

 Retrieved from
 - https://www.facebook.com/permalink.php?id=659730407413662&story_fbid=710961522290550.
- Wisaratana, T. (1983). Structure and Natural Reproduction in Canopy' Gap of Dry

 Evergreen Forest in Sakaerat Environmental Research Station.

 Master thesis. Bangkok, Thailand: Kasetsart University.
- Wiset, S. (1997). Local Wisdom in Watershed Conservation and Rehabilitation:

- A Case Study in Hug Sritoy Group. Sritoy sub-district. Mae Jai district.

 Prayao province. Master thesis. Bangkok, Thailand: Kasetsart University.
- Witwatchutikul, P. Deesaeng, B., Kaew-amput, T., Pan-Utai, S., On-Arsa, S. and Puanda, Ch. (2013). *Modeling of Soil Water Storage and Drainage of various Forest Types in Thailand*. Watershed Research Division. Watershed Conservation and Management. National Park, Wildlife and Plant Conservation Department. Bangkok: Thailand.
- Witwatchutikul, P.; Pan-Utai, S. and Thitirojjanawattana, P. (2011). Roles of Forest

 Resources in Solving Excessive Surface Run off and Watershed

 Management: Observations from Empirical data. Watershed Research

 Division. Watershed Conservation and Management. National Park, Wildlife and Plant Conservation Department. Bangkok: Thailand.
- Witwatchutikul, P., Thitirojjanawattana, P., Pan-Utai, S. and Deesaeng, B. (2013).

 Watershed Forested Areas. Watershed Research Division. Watershed

 Conservation and Management. National Park, Wildlife and Plant

 Conservation Department. Bangkok: Thailand.
- Yongprayoon, R. and Netisak, W. (2009). Assessment of economic suitability in the application of solar thermal power in Lampang. 5th Thailand Energy Network Conference. 29 April 1 May 2009. Naresuan University.

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Publications

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Suwan, M., Tantranont, N. (2016). Restoration Guidelines

Development for Community Forests in Lampang.

The 9th Thailand Renewable Energy for Community

Conference (TREC-9). Rajamangala University of

Technology Lanna (RMUTL) Doi Saket, 430 - 441.

Boonyuhong, B., Pattarapremcharoen, M., Maneechot, P., Tantranont, N*.

(2017). A guideline for forest development to promote

mini - hydropower: A case study in 4 community forests in

Lampang Province. The international Journal of

the Computer, the Internet and Management (IJCIM).

Regular Issue, 25(2).