

## 1. Latar Belakang/Sejarah

Institute of Social Informatics and Technological Innovations (ISITI), formerly known as the Centre of Excellence for Rural Informatics (CoERI) was established in April 2011 at the centre of University Malaysia Sarawak (UNIMAS) in Kota Samarahan. The Centre was established given the success of our flagship bridging-the-digital-divide pilot project, eBario. A key focus of ISITI is to bridge the technology-people's gap; in particular, encompassing technological innovations for indigenous communities. Community and Institute- We should prioritize the needs of the community and the Institute above all else, as our main purpose for being a part of ISITI is to serve the community. Trust- As a relationship based on trust is the key to our success and sustainability, we must continue to maintain our close ties with the community and build our existing networks. Quality- The quality of our work reflects on the image of the Institute therefore we should always aim for the highest levels of excellence in all that we do.

ISITI started operations in April 2011, and was upgraded from the Centre of Excellence for Rural Informatics; the Centre was established given the success of our flagship bridging-the-digital-divide pilot project, eBario. As of now, there are more than 10 academicians & researchers, with 6 supporting staffs and 7 research assistants to strengthen the Institute's core business and services. Without these people, the Institute could not achieve what you see today.

Research in ISITI is conducted at the institute and research group levels. All our researchers not only conduct research, but also go down to the ground to study, design and implement programmes at the community level. The following are the research thrusts in ISITI:

- Bridging the Digital Divide
- Socio Economic Development
- Green Technology
- eLearning
- eHealth
- Indigenous Knowledge and Cultural Preservation
- Telecentre's Sustainability

### **Senarai Pengarah**

April 2011- March 2016

Professor Dr. Alvin Yeo Wee

March 2016 – Present

Professor Dr. Narayanan Kulathuramaiyer

## 2. Senarai Projek dan Penyelidikan

- 2009 The Grassroots Grant Assistance for Human Security Project from the government of Japan under Official Development Assistant (ODA) for Long Lamai electrification using Solar PV System
- 2010 Asia-Pacific Telecommunity (APT) HRD Programme for Exchange of ICT Researchers and Engineers 2009 entitled 'Bridging the Digital Divide in Remote Rural Areas: A Universal Playground for Children
- 2010 The Grassroots Grant Assistance for Human Security Project from the government of Japan under Official Development Assistant (ODA) for Bakelalan electrification using Solar PV System
- 2010 The Grassroots Grant Assistance for Human Security Project from the government of Japan under Official Development Assistant (ODA) for Larapan Island electrification using Solar PV System
- 2011 Asia-Pacific Telecommunity (APT). J3- Technology enhanced solutions for remote rural communities in Malaysia to facilitate development of learning and preservation of Local Knowledge and to create health awareness and practices for healthy living
- 2011 Impact Evaluation Study (Bario, Long Lamai, Ba'kelalan, and Long Kerong)
- 2011 Indigenous Technological Innovation in Malaysia: Reducing vulnerability and marginalization among Malaysia's Indigenous Peoples at Bario
- 2011 Mobile Innovation Village at Kampung Serasot Bau
- 2012 Communities' Attitudes towards Tourism Development in Rural Tourism Destination. The Role of Information and Communication Technologies
- 2012 Cost Effective and Self-Sufficient Power Supply Model for Wireless End User Access Equipment in Rural Long Houses.
- 2012 Energy Optimization for Rural ICTs Telecentre
- 2012 Indigenous Knowledge Governance Framework
- 2012 Initiative for e-Commerce Capacity-Building of Penans in Long Lamai Sarawak
- 2012 Mobile Computer Assisted Intervention Programme (Evaluation and Process Protocols) for Isolated Speech and Language Impairment Among Pre-School Children in Sarawak.
- 2012 Multi-Dimensional Environmental Framework for Sustainable Tourism
- 2012 Ngerabit eLamai: ICTs Supporting Socio-economic Transformation National Professor's Council (NPC) under the Community Outreach Programme
- 2012 The Grassroots Grant Assistance for Human Security Project from the government of Japan under Official Development Assistant (ODA) for Electrification by Micro Hydro for Long Lamai
- 2012 The Preservation of The Kelabit Language
- 2013 Constructing a Competitive Rural Tourism Competency Index for Rural Tourism Destinations in East Malaysia Dana Pembudayaan Penyelidikan (RAGS)

- 2013 Implementation of Telecentre for Orang Asli Programme
- 2013 Maxis CBC Reporting, Marketing & ICT Enhancement Training Programme
- 2013 Maxis connected Village
- 2013 PI1M Assessment (HCCD 2013) (Under UNIMAS Holding)
- 2013 Success and Happiness by Activating Regional Economy (SHARE)
- 2014 Developing Ecotourism For The Penan Community at Long Lamai Based on Carrying Capacity Approach
- 2014 Digitalising and preserving Oro, a secret signage language of the nomadic Penans in the rainforest
- 2014 Digitalising and preserving Oro, a secret signage language of the nomadic Penans in the rainforest  
(22,339.40 AUD)
- 2014 e-Commerce content development and capacity building of indigenous Penans community in Sarawak  
(USD 10,000)
- 2014 Kajian RTC Malaysia
- 2014 The Grassroots Grant Assistance for Human Security Project from the government of Japan under Official Development Assistant (ODA) for The electrification of Long Puah using Solar Power System
- 2014 Training, promotions, awareness and community engagement for 22 sites PI1M
- 2015 Penambahbaikan Kualiti Bekalan Air Dan Sistem Sanitasi Untuk Masyarakat Penan Di Long Lamai
- 2015 Training, promotions, awareness and community engagement for 6 sites PI1M at Perlis
- 2016 Deployment of ICT and the Long Lamai Community: A Responsible Innovation Approach
- 2016 Handicraft Development for Penan Artisans in Tegulang Resettlement, Murum
- 2016 Redtone PI1M  
(REDTONE MARKETING SDN BHD PI1M JOHOR)

### 3. Pencapaian Yang Telah Diperolehi

- Pencapaian yang telah diperolehi melalui projek seperti:

## PUBLICATION

1. Siew, S. & Yeo, A. W. (2012). *Adapting PRISMA for Software Development in Rural Areas: A Mobile-Based Healthcare Application Case Study*. Network of Ergonomics Societies Conference (SEANES), 2012 Southeast Asian. *(Indexed in IEEE)*
2. Mohamad, A. A., Lo, M. C., Songan, P., & Yeo, A. W. (2012). Validating a Tourism Instrument In Rural Tourism Destination. A Test on Bario. *Archives Des Sciences*

*Journal (ADS)*, 65, 8, 322-329. (Indexed in EMBASE, Ulrich, EMNursing, Compendex, Genamics, ISI = 0.474) (ISSN: 1661-464X)

3. Mohamad, A. A., Lo, M. C., Songan, P., & Yeo, A. W. (2012). Dimensionality of Communities' Belief Attitude Toward Rural Tourism Development: The Case of Bario. *British Journal of Arts and Social Sciences*, 6, 2, 245-254. (Indexed in EBSCO, SSRN, DOAJ, Ulrich, Cabell's.) (ISSN: 2046-9578)
4. Lo, M. C., Mohamad, A. A., Songan, P., & Yeo, A. W. (2012). Rural Tourism Positioning Strategy: A Community Perspective. *IPEDR*, 28, 22-26. (Indexed in EBSCO, WorldCat, Google Scholar, Ulrich's Periodicals Directory, Engineering & Technology Digital Library). (ISSN: 2010-4626; ISBN: 978-981-07-1080-4)
5. Lo, M. C., Mohamad, A. A., Songan, P., & Yeo, A. W. (2012). Positioning rural tourism: Perspectives from the local communities. *International Journal of Trade, Economics and Finance*, 3,1, 59-65. (Indexed in Engineering & Technology Library, EBSCO, ProQuest, Crossref, Ulrich's Periodicals Directory) (ISSN: 2010-023X)
6. Lo, M. C., Mohamad, A. A., Songan, P., & Yeo, A. W. (2012). Rural Destinations and Tourists' Satisfaction. *Journal of Services Research*, 11, 2, 59-74. (Indexed in EBSCO Publishing, Proquest, Ulrich's periodical directory, Gale Group/ Thomson Publishing, Cabell Publishing). (ISSN: 0972-4702)
7. Lo, M. C., Mohamad, A. A., Songan, P., & Yeo, A. W. (2012). Repositioning Strategy In Ecotourism Industry: A Case of Bario. *Emerald Business Strategies Series*, 13, 1, 41-46. (Indexed in Emerald Management Reviews, OCLC's Electronic Collections Online, Inspec, Scopus). (ISSN: 1751-5637)
8. Cheuk, S., Atang, A., & Lo, M. C. (2012). Community Attitudes Towards the Telecentre In Bario, Borneo Malaysia: 14 Years on. *International Journal of Innovation, Management and Technology*, 3, 6, 682-687. (ISSN: 2010-0248) DOI: 10.7763/IJIMT.2012.V3.319 (Indexed in Google Scholar)
9. Lo, M. C., Ramayah, T., Songan, P., & Nair, V. (2013). Attitude of Communities toward Rural Tourism Development, *Life Sciences*, 10, 10, 311-312. (Indexed in ISI 0.164).
10. Lo, M. C., Songan, P., Ramayah, T., Yeo, A. W. & Nair, V. (2013). Rural tourism Development. Industry's Perspectives on Sustainable Tourism. *IPEDR*, 8-14 (ISSN: 2010-4626).
11. Lo, M. C., Songan, P., Mohamad, A. A., & Yeo, A. W. (2013). Rural Tourism and Destination Image: Community Perception in Tourism Planning. *The Macrotheme Review: A Multidisciplinary Journal of Global Macro Trends*, 2(1), 102-118. (Indexed in Google Scholar)
12. Yeo, A. W., Zaman, T., & Kulathuramaiyer, N. (2013). Indigenous Knowledge Management in the Kelabit community in Eastern Malaysia: Insights and reflections for contemporary KM design. *International Journal of Sociotechnology and Knowledge Development (IJSKD)*, 5(1), 23-36. DOI: 10.4018/jskd.2013010103 (Indexed in Scopus: 0.132)
13. Zaman, T., Yeo, A. W., & Kulathuramaiyer, N. (2013). Augmenting Indigenous Knowledge Management with Information and Communication Technology.

*International Journal of Services Technology and Management*, 19(1/2/3), 12.  
(Indexed in Scopus: 0.239)

14. Siew, S., Yeo, A. W., & Zaman, T. (2013). Participatory Action Research in Software Development: Indigenous Knowledge Management Systems Case Study Human-Computer Interaction. *Human-Centred Design Approaches, Methods, Tools, and Environment*, 470-479. (Indexed in Scopus: 0.332)
15. Lo, M. C., Songan, P., Yeo, A.W, Mohamad, A. A., & Nair, V. (2013). *Rural tourism development. Industry's perspectives on sustainable tourism*. The Proceedings of IEDRC, 2nd International Conference on Economics, Business Innovation, 19th – 20th May, Copenhagen, Denmark.
16. Shaista, F., Lo, M. C., & Yeo, A.W. (2013). *A Repositioning Strategy for Rural Tourism Destination in Malaysia: Integrating Tourist, Industry Player and Community Perspective*. The Proceeding of 12th Asia Pacific Forum for Graduate Students' Research in Tourism 2013, Taylor's University Malaysia, Selangor, Malaysia.
17. Chin, C. H., Lo, M. C., Songan, P., & Nair, V. (2013). *Rural Tourism Destination Competitiveness: The Moderating Impact of Communities Support*. The Proceeding of 12th Asia Pacific Forum for Graduate Students' Research in Tourism 2013, Taylor's University Malaysia, Selangor, Malaysia.
18. Tabassum G., Yeo, A.W., & Faisal S. Hazis. (2013). *The Socio-Economic Impact Of Telecentres On Rural Communities*. The Proceeding of 14th Global Information Technology Management (GITMA) World Conference June, 2013 Kuala Lumpur, Malaysia
19. S. F., Lo, M. C., Songan, P., & Nair, V. (2013). *Conceptualising Local Community and Industry Players' Perception toward the Impact of Rural Tourism in Sarawak: The Moderating Impact of Relationship Building*. The Proceeding of 12th Asia Pacific Forum for Graduate Students' Research in Tourism 2013, Taylor's University Malaysia, Selangor, Malaysia.
20. Winschier-Theophilus, H., Winschiers-Goagoses, N., Rodil, K., Blake, E., Zaman, T., & Koch Kaapuire, G. (2013). *Moving away from Erindi-roukambe: Tranferability of rural community-based co-design*. IFIP 12<sup>th</sup> International Conference on Social Implications of Computers in Developing Countries, Ocho Rios Jamaica.
21. Winschier-Theophilus, H., Zaman, T., Rodil, K., Jensen, K., Yeo, A. W. (2013). *Mobile Technologies for Preservation of Indigenous Knowledge in Rural Communities*. Proceedings of the Conference on IT in Asia (CITA' 13), Kuching. (Indexed in IEEE)
22. Lo, M. C., Cheuk, S.C.S., & Atang, A. (2014) Telecentre, Tourism and Their Impacts on Bario, Malaysia, *Middle-East Journal of Scientific Research*, 21 (6), 950-961. (Indexed in ISI and SCOPUS)
23. Lo, M.C., T. Ramyah, Lee, H.H.H. (2014). Rural Communities Perceptions and Attitudes towards Environment Tourism Development. *Journal of Sustainable Development*, 7(4), 84-89. (Indexed in ERA)
24. Lo, M.C., Wang, Y. C., Songan, P., & Yeo, A.W. (2014). *Tourscape: A systematic approach towards a sustainable rural tourism management*. IOP Conference Series:

Earth and Environmental Science, 18, 1-5. DOI:10.1088/1755-1315/18/1/012072. (Indexed in SCOPUS)

25. Nair, V., Lo, M.C., & Singh, S. (2014). The international tourists' perspective on Malaysia's Economic Transformation Programme (ETP). *Procedia-Social and Behavioural Sciences*, 114, 433-445. (Indexed in SCOPUS)
26. Falak, S., Lo, M. C., & Yeo, A. W. (2014). A repositioning strategy for rural tourism in Malaysia-community's perspective. *Procedia-Social and Behavioral Sciences*, 144, 412-415. (Indexed in SCOPUS)
27. Fong, F. S., Lo, M. C., Songan, P., & Nair, V. (2014). The impact of local communities' involvement and relationship quality on sustainable rural tourism in rural area, Sarawak. The moderating impact of self-efficacy. *Procedia-Social and Behavioral Sciences*, 144, 60-65. (Indexed in SCOPUS)
28. Chin, C. H., Lo, M. C., Songan, P., & Nair, V. (2014). Rural Tourism Destination Competitiveness: A Study on Annah Rais Longhouse Homestay, Sarawak. *Procedia-Social and Behavioural Sciences*, 144, 35-44. (Indexed in SCOPUS)
29. Nair, V., Mohamed, B., Hamzah, A., Lo, M. C., & Hong, J. L. (2014). Rural tourism 3.0: Conceptualising an innovative approach in monitoring the 'health' of rural destinations in Malaysia. *BIMP-EAGA Journal of Sustainable Tourism Development*, 3(1), 1-20. (Indexed in CIRET)
30. Ibrahim, M.D., Othman, A.K., Zen, H., Rahman, N.A., Atan, M.F., & Masiar@Peton, J. (2014). Smart Power Management System for Rural Telecentre Conceptual Design. *Journal of Applied Sciences and Agriculture* 9(15) Special 2014, 14-19.
31. Chin, C. H., Lo, M. C., & Nair, V. (2014). Rural Tourism Destination Competitiveness: Communities' Perspective. *Proceedings in 6th International Borneo Business Conference (IBBC) 2014, 20th – 21st August, 2014, Riverside Majestic Hotel, Kuching, Sarawak.*
32. Chin, C. H., Lo, M. C., Songan, P., & Nair, V. (2014). Rural Tourism Destination Competitiveness: A Study on Annah Rais Longhouse Homestay, Sarawak. *Proceedings in 5th Asia-Euro Conference 2014 in Tourism, Hospitality and Gastronomy, 19th – 21st May, 2014, Taylor's University, Lakeside Campus, Subang Jaya, Selangor, Malaysia.*
33. Shaista, F., Lo, M. C., & Yeo, A. (2014). A Repositioning Strategy for Rural Tourism Destination in Malaysia- A Community Perspective. *Proceedings in 5th Asia-Euro Conference 2014 in Tourism, Hospitality and Gastronomy, 19th – 21st May, 2014, Taylor's University, Lakeside Campus, Subang Jaya, Selangor, Malaysia.*
34. Fong, S. F., Lo, M. C., Songan, P., & Nair, V. (2014). The Impact of Local Communities' Involvement and Relationship Quality on Sustainable Rural Tourism in Rural Area, Sarawak. The Moderating Impact of Self-Efficacy. *Proceedings in 5th Asia-Euro Conference 2014, Taylor's University Lakeside Campus, Malaysia*
35. Minoi, J.L., Suhaili, M.R., Yeo, A.W. (2014). "A Holistic Ecosystem for Rural mHealth Applications and Lesson Learnt", *IEE Conference on Biomedical Engineering and Science, Miri Malaysia (to be published)*

36. Minoi, J.L. and Yeo, A.W. (2014), "Remote Health Monitoring System in a Rural Population: Challenges and Opportunities", IEEE Conference on Biomedical Engineering and Science, Miri Malaysia (to be published)
37. Fong, S. F., & Lo, M. C. (2015). Community involvement and sustainable rural tourism development: perspectives from the local communities. *European Journal of Tourism Research*, 11, 125.
38. Cheuk, S., Lo, M. C., & Atang, A. (2015). Rural Tourism Destination Performance in East Malaysia: Influencing Factors from the Communities' Perspective. *Journal of Sustainable Development*, 8(3), 124.
39. Nair, V., Hussain, K., Lo, M. C., & Ragavan, N. A. (2015). Benchmarking innovations and new practices in rural tourism development: How do we develop a more sustainable and responsible rural tourism in Asia?. *Worldwide Hospitality and Tourism Themes*, 7(5), 530-534.
40. Lo, M. C., Cheuk, S., & Atang, A. (2015). Tanjung Datu National Park, Sarawak: Communities' Perceptions towards Its Rural Competitive Advantage. *Journal of Sustainable Development*, 8(8), 133.
41. Zaman, T., & Winschiers-Theophilus, H. (2015, September). Penan's Oroo'Short Message Signs (PO-SMS): Co-design of a Digital Jungle Sign Language Application. In *Human-Computer Interaction* (pp. 489-504). Springer International Publishing.
42. Zaman, T., Kulathuramaiyer, N., Yeo, A. W., & Falak, H. (2015). Modelling indigenous knowledge creation as a living system. *International Journal of Knowledge Management Studies*, 6(2), 136-150.

### **CHAPTER IN BOOK PUBLISHING**

1. Lo, M. C., Songan, P., Mohamad, A. A., Kato, I., Furuoka, F., & Yeo, A. W. (2012). Close Encounters with the Local Communities in Rural Tourism Destinations of Bario, Malaysia and Yufuin, Japan. In, L. T. Janie & M. Q (Eds.), *Critical Success Factors, Issues and Concerns in Tourism Sustainability*. Pearson.
2. Rethinasamy, S., Norazila, A. A., Fitri, S. M., Mohd, H. H., & Dayang, S. A. S. (2012). Developing Literacy and Knowledge Preservation Skills among Remote Rural Children. In, P. Ambigapathy, L. C. L. Chrisine, T. A. L. Debbita, M. Jayagowri, B. C. Lee & C. H. Toh (Eds.), *New Literacies: Reconstructing Language and Education* (pp. 94-107). Cambridge Scholars Publishing.
3. Zaman, T., & Yeo, A. W. (2014). Ensuring Participatory Design Through Free, Prior and Informed Consent: A Tale of Indigenous Knowledge Management System. *User-Centric Technology Design for Nonprofit and Civic Engagements* (pp. 41-54 ). Springer International Publishing Switzerland

4. Zaman, T., Yeo, A. W., & Kulathuramaiyer, N. (2015) Indigenous Knowledge Technology Dialogues: Embracing Indigenous Knowledge in a New Technology Design Paradigm. In Bidwell, N., & Winschiers-Theophilus, H. (Eds.). *At the Intersection of Indigenous and Traditional Knowledge and Technology Design*. (pp. 171-185) Informing Science.
5. Plimmer, B., He, L., Zaman, T., Karunanayaka, K., Yeo, A. W., Jengan, G., ... & Do, E. Y. L. (2015, April). New interaction tools for preserving an old language. In *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems* (pp. 3493-3502). ACM.
6. Zaman, T., Winschiers-Theophilus, H., Yeo, A. W., Ting, L. C., & Jengan, G. (2015, May). Reviving an indigenous rainforest sign language: digital Oroo'adventure game. In *Proceedings of the Seventh International Conference on Information and Communication Technologies and Development* (p. 69). ACM.
7. Winschiers-Theophilus, H., Zaman, T., & Yeo, A. (2015, June). Reducing white elephant ICT4D projects: a community-researcher engagement. In *Proceedings of the 7th International Conference on Communities and Technologies* (pp. 99-107). ACM.
8. Zaman, T., & Winschiers-Theophilus, H. (2015, September). Penan's Oroo'Short Message Signs (PO-SMS): Co-design of a Digital Jungle Sign Language Application. In *Human-Computer Interaction* (pp. 489-504). Springer International Publishing.

### **OTHER PUBLICATIONS**

1. Souba Rethinasamy, Norazila Abd. Aziz, Mohamad, F.S., Hashim, M.H., & Dayang Sariah Abang Suhai. (2012). *Remote Rural Children as Indigenous Community's Cultural Preservation Agents: An Empowerment Model for Heritage Maintenance*. Poster presented at Universiti Malaysia Sarawak R&D Expo 2012, Universiti Malaysia Sarawak, Malaysia.
2. Mah, Y., Yeo, A.W., and Siew, S. (2012). *Exploring Paper Prototyping in Malaysian Borneo*. The Proceeding of Human Factors & Ergonomics Society of Malaysia (HFEM), Langkawi, Malaysia.
3. Ng, C., Cheah, W. and Yeo, A.W. (2012). *Improving Rural-Urban Intergenerational Relationships Using ICTs*. The Proceeding of Human Factors & Ergonomics Society of Malaysia (HFEM), Langkawi, Malaysia.
4. Lo, M. C., Songan, P., Yeo, W. A., Mohamad, A. A. (2012). *The Importance of Positioning Strategy for a Rural Tourist Destination*. The Proceedings of IEDRC: 2012 International Conference on Economics Marketing and Management- ICEMM 2012, 4th -6th January, Hong Kong. (Impact Factor Conference). Hong Kong.
5. Yeo, A.W., Nair, V., Songan, P., Kulathuramaiyer, N., Lo, M. C., & Mohamad, A. A. (2012). *ICT in Community Based Tourism in Bario, Sarawak: Improvements on Social Economic Development*. The Proceeding of 7th International Literacy Conference (LITCON 2011), Language and Literacy in



the Local and Global Contexts: Success Stories and Unfolding Narration. Penang, Malaysia

6. Zaman, T., Yeo, A.W., and Kulathuramaiyer, N., (2012). *Tools and Strategies for Managing Penans' Indigenous Botanical Knowledge*. The Proceeding of 11th biennial conference of the Borneo Research Council, Universiti Brunei Darussalam at Bandar Seri Begawan, 25-27 June 2012. Bandar Seri Begawan.
7. Chai-Yeen Cheong and Yeo, A.W. (2012). *Developing a Community-Driven Intergenerational Knowledge Transmission Methodology*. The Proceeding of IWIPS 11th International Workshop on I18N of Products and Systems (IWIPS 2012), 5-8 September 2012, Bangalore, India
8. S. F., Lo, M. C., Songan, P., & Nair, V. (2013). Conceptualising Local Community and Industry Players' Perception toward the Impact of Rural Tourism in Sarawak: The Moderating Impact of Relationship. The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
9. Shaista, F., Lo, M. C., & Yeo, A.W. (2013). A Repositioning Strategy for Rural Tourism. The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
10. Tabassum G., Yeo, A.W., & Faisal S. Hazis. (2013). The Socio-Economic Impacts Of Telecentres On Rural Communities. The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
11. Mohd Ismail J., and Minoi J.L. (2013). Community-Based Grassroot Aerial Mapping". The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
12. Tommy C., and Minoi J.L., (2013). "Developing a Phonetic Mobile Application for Speech and Language Impairment (SLI) Children". The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
13. Ibrahim, H., Yasin, A., Kasiran, M. K., & Md Dahalin, Z. (2013). "Telecenter Implementation for Rural and Indigenous People: An Integration of IT Transfer Stages and Actor-Network Theory". The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
14. Saat, G., Chee, Wyai, L. (2013). Investigating a telecentre achievement in relations to community economic development: An experience of Buayan, Sabah Malaysia. The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
15. Streid, J. (2013). "The Role Of Video In Palliative Care Decision-Making A Possible Application Of Information And Communication Technology In Rural Malaysia". The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
16. Bin Othman, A. K. (2013). "Rural Transformation Centre:Infrastructure for Telecentre Programme among Orang Asli West Malaysia (TPOA)". The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia

17. Dyson, L. E. (2013). "ICTs for Making Language Strong". The Proceeding of 4th eBario Knowledge Fair 2013, Bario Sarawak, Universiti Malaysia Sarawak, Malaysia.
18. Lo, M., Cheuk, S., Songan, P., Atang, A. and Yeo, A.W. (2013, November). The Bario Telecentre: Communities' Attitudes and its Impact on Rural Tourism. Paper presented at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
19. Yeo A.W. (2013, November). Bridging the Theory-Practice Divide: Lessons Learnt from Remote and Rural ICT for Development Projects in Malaysia. Paper presented at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
20. Bala, P. (2013, November). Implementation of Telecentres among Orang Asli in Gua Musang, Kelantan and Kuala Lipis, Kahang. Paper presented at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
21. Zaman, T., Jengan, G., Winschiers-Theophilu, H., Kulathuramaiyer, N., and Yeo, A.W. (2013, November). Digitalising and preserving Oro, a secret signage language of the nomadic Penans in the rainforest. Paper presented at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
22. Nulun, G. (2013, November). Introduction to the Cotemporary Kelabit Thesaurus. Paper presented at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
23. Craft, Cultural Preservation and Contemporary Innovation Lead Facilitator: Catriona Maddocks Community (2013, November). Workshop conducted at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
24. Simple hygiene and monitoring risks of non-communicable diseases for everyone. (2013, November). Workshop conducted at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
25. Community's perceptions on rural tourism in Bario (2013, November). Workshop conducted at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
26. Using community protocols to affirm local rights and responsibilities. (2013, November). Workshop conducted at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
27. Sustaining Innovation: What does it Take? Workshop conducted at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
28. PI1M Workshop. (November, 2013). Workshop conducted at the 4th eBario Knowledge Fair: ICTs for Indigenised Development. Bario, Malaysia: Universiti Sarawak Malaysia
29. Minoi, J.L. (2014), "Mobile Computing in Health Care. Plenary Speaker." The 2nd SNPA Annual Scientific Meeting, Miri
30. Yeo, A.W., Zaman, T., Phoa, J., & Mohd-Nor, R. (2014). Experience in Responsible ICT-For-Development Research in Malaysian Borneo. Paper presented at Proceedings of the 6th International Borneo Business

Conference, 20-21 August 2014, Universiti Malaysia Sabah and Universiti Malaysia Sarawak, Kuching

31. Fun, F. S., Chiun, L. M., Songan, P., & Nair, V. (2014). The impact of local communities' involvement and relationship quality on sustainable rural tourism in rural area, Sarawak. The moderating impact of self-efficacy. *Procedia-Social and Behavioral Sciences*, 144, 60-65. Chicago
32. Chin, C. H. (2015). Rural tourism destination competitiveness: the moderating impact of community support (Doctoral dissertation, University Malaysia Sarawak, UNIMAS).

- program-program yang telah dijalankan seperti seminar, bengkel, taklimat dan lain-lain lagi

#### 4. Penghargaan atau Anugerah Yang Telah Diterima

- Penghargaan/Anugerah yang telah diterima sepanjang tempoh ditubuhkan
- Awards

<b>Year</b>	<b>Medal</b>	<b>Award Title</b>	<b>Catagory</b>
2015	Winner	The IFIP Brian Shackel Award 2015	International
2015	Winner	The IFIP Interaction Design for International Development (IDID) Award 2015	International
2015	Gold Medal	UNIMAS R&D Expo	University
2014	Silver Medal	Malaysia International Technology Expo, Kuala Lumpur	International
2013	MERIT Award	APICTA 2013 Awards - Best of e-Inclusion and e-Community	National
2013	Gold Medal	UNIMAS R&D Expo	University
2013	Bronze Medal	UNIMAS R&D Expo	University
2013	Silver Medal	UNIMAS R&D Expo	University
2013	Gold Medal	UNIMAS R&D Expo	University
2013	Gold Medal	UNIMAS R&D Expo	University
2013	Bronze Medal	Seoul International Invention Fair (SIIF) 2013	International
2013	Silver Medal	Persidangan dan Eskpo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA 2013)	International
2013	Bronze	iENA Nuremberg 2013 - International	International

	Medal	Trade Fair Ideas-Inventions-New Products	
2013	Winner	Information Society Innovation Fund (ISIF) Asia Awards - Innovation on Access Provision	International
2013	Winner	1st Global Telecentre Awards-Best Global Telecentre Innovation Award	International
2013	Winner	1st Global Telecentre Awards-Global Community's Choice Award	International
2012	MERIT Award	APICTA 2012 Awards - Best of e-Inclusion and e-Community	National
2012	Silver Medal	UNIMAS R&D Expo	University
2012	Winner	MAGU 2012 - Highest International R&D Grant/ Endowment	University

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