

## Curriculum Vitae

Arbi Haza Nasution is a Senior Lecturer of the Department of Informatics Engineering, Universitas Islam Riau, Indonesia. He got his Ph.D. Degree in Informatics from Kyoto University in 2018, obtained Bachelor Degree in Computer Science from National University of Malaysia in 2010 and obtained Master Degree in Management Information System from National University of Malaysia in 2012. His current research interests include computational linguistics, natural language processing and machine learning.



### **Educational Background:**

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- Doctoral Program : Social Informatics Department, Kyoto University, Japan
- Master Degree : Management Information System, National University of Malaysia
- Bachelor Degree : Computer Science, National University of Malaysia

Dissertation: Bilingual Lexicon Induction Framework for Closely Related Languages

Scholarship during PhD: Indonesia Presidential Scholarship of LPDP

### **Professional Experience:**

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#### **Associations:**

- Member of IEEE
- Member of IEEE Computational Intelligence Society
- Member of Indonesia Association of Computational Linguistics (INACL)

#### **Visiting Scholar:**

- Visiting Professor and Fellow at Fakulti Sains Komputer & Matematik Universiti Teknologi MARA Cawangan Perlis, Kampus Arau, 28 April – 03 May 2019

#### **Invited Speakers:**

- Invited Speaker at scientific forum “Bedah Paper INACL Webinar Series”, 10 October 2020 with a topic of “Plan Optimization to Bilingual Dictionary Induction for Low-Resource Language Families”
- Invited Speaker at Webinar Ganbatte 4 Teknik Komputer UNAND, 10 September 2020 with a topic of “A Gentle Introduction to Natural Language Processing”.
- Invited Speaker at Workshop International Symposium on Engineering & Technology in Disaster Mitigation (ISETiD), 17 February 2021 with a topic of “Designing A Collaborative Process to Support Indonesian Ethnic Languages”

## Recognitions:

- Arbi Haza Nasution, Rafi Muhammad, Yoze Rizki. 2019. Gold Medal for project Machine Translation Agent With Augmented Reality And Chatbot. The 3rd International Thailand-Indonesia-Malaysia Symposium on Innovation and Creativity, 16-18 June 2019, Princess of Naradhiwas University, Thailand
- Mohd Hanafi Mohd Yasin, Noraidah Sahari, Arbi Haza Nasution, Safani Bari, Mohd Mokhtar Tahar, Hasnah Toran & Zawawi Zahari. 2011. Bronze Medal for product iLiMA: Internet – Based Literacy and Mathematics Assessment For Deaf and Hard of Hearing Students. Pemacuan Kegemilangan Warisan Ilmu Universiti Kebangsaan Malaysia, 3-5 Mei 2011 Dewan Canceled Tun Abdul Razak, UKM, Malaysia

## Editor & Reviewers:

- Editor of Jurnal Linguistik Komputasional (JLK)
- Reviewer of PeerJ Computer Science Journal [Impact Factor: 3.67, SCOPUS Q1]
- Reviewer of Jurnal Sosioteknologi Institut Teknologi Bandung
- Reviewer of Jurnal Charity – Telkom University
- Reviewer of International Journal of Electrical, Energy and Power System Engineering (IJEPPSE)
- Reviewer of Information Technology Journal Research and Development (ITJRD)
- Reviewer of Jurnal CoSciTech (Computer Science and Information Technology) – Universitas Muhammadiyah Riau
- Reviewer of The 9th International Conference on Information and Communication Technology (ICoICT 2021)
- General Chair of The Second International Conference on Science, Engineering and Technology (ICoSET 2019)
- General Chair of The Second International Conference on Social, Economy, Education, and Humanity (ICoSEEH 2019)
- Programme Committee Member of The 2nd International Conference on Data and Information Science (ICoDIS 2018)

## Publications:

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### Journals:

1. Nasution, A. H., Murakami, Y., & Ishida, T. (2021). Plan Optimization to Bilingual Dictionary Induction for Low-resource Language Families. ACM Transactions on Asian and Low-Resource Language Information Processing. <https://dl.acm.org/doi/10.1145/3448215?cid=99659220171> [ISI impact factor: **1.420**]
2. Nasution, A. H., Murakami, Y., & Ishida, T. (2017). A Generalized Constraint Approach to Bilingual Dictionary Induction for Low-Resource Language Families. ACM Transactions on Asian and Low-Resource Language Information Processing. <https://dl.acm.org/doi/10.1145/3138815?cid=99659220171> [ISI impact factor: **1.420**]
3. Nasution, A. H., Murakami, Y., & Ishida, T. (2019). Generating similarity cluster of Indonesian languages with semi-supervised clustering. International Journal of

Electrical and Computer Engineering (IJECE), 9(1), 531.

<https://doi.org/10.11591/ijece.v9i1.pp531-538>. [SCOPUS Q2]

4. Nasution, A. H. (2018). Pivot-based hybrid machine translation to support multilingual communication for closely related languages. *World Transactions on Engineering and Technology Education*.

[http://www.scopus.com/inward/record.url?eid=2-s2.0-](http://www.scopus.com/inward/record.url?eid=2-s2.0-85047560335&partnerID=MN8TOARS)

[85047560335&partnerID=MN8TOARS](http://www.scopus.com/inward/record.url?eid=2-s2.0-85047560335&partnerID=MN8TOARS) [SCOPUS Q1]

### **Conferences:**

1. Indriani, D., Nasution, A. H., Monika, W. Nasution, S. (2020). Towards a Sentiment Analyser for Low-resource Languages. *International conference on smart computing and cyber security: strategic foresight, security challenges and innovation* (pp. 109-118). Springer, Singapore. [SCOPUS]
2. Nasution, A. H., Murakami, Y., & Ishida, T. (2019). Designing a Collaborative Process to Create Bilingual Dictionaries of Indonesian Ethnic Languages. In *LREC 2018 – 11th International Conference on Language Resources and Evaluation*. European Language Resources Association (ELRA). [CPCI & SCOPUS]
3. Nasution, A. H., Murakami, Y., Ishida, T., & Ieee. (2017). Plan Optimization for Creating Bilingual Dictionaries of Low-Resource Languages. In *2017 International Conference on Culture and Computing*.  
<https://doi.org/10.1109/Culture.and.Computing.2017.21> [CPCI & SCOPUS]
4. Nasution, A. H., Syafitri, N., Setiawan, P. R., & Suryani, D. (2017). Pivot-based Hybrid Machine Translation to Support Multilingual Communication. In *2017 International Conference on Culture and Computing*.  
<https://doi.org/10.1109/Culture.and.Computing.2017.22> [CPCI & SCOPUS]
5. Nasution, A. H., Murakami, Y., & Ishida, T. (2016). Constraint-based bilingual lexicon induction for closely related languages. *Proceedings of the 10th International Conference on Language Resources and Evaluation, LREC 2016*.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-85034636317&partnerID=MN8TOARS> [CPCI & SCOPUS]
6. Shukur, Z., Nasution, A. H., & Wibowo, A. A. (2011). Approaches to develop oracle for detecting deception in online chatting software. *Proceedings of the 2011 International Conference on Electrical Engineering and Informatics, ICEEI 2011*.  
<https://doi.org/10.1109/ICEEI.2011.6021557> [CPCI & SCOPUS]