

# Optimising and Digitalising the Technology-Based Electronic Justice in the 4.0 Era: A Judicial Reform

**Elidar Sari and Arif Rahman**

Faculty of Law

Universitas Malikussaleh

Muara Satu, Kota Lhokseumawe, Aceh 24355, Indonesia

[elidarsari@unimal.ac.id](mailto:elidarsari@unimal.ac.id), [arifrahman@unimal.ac.id](mailto:arifrahman@unimal.ac.id)

**Jumadil Saputra**

Faculty of Business, Economics and Social Development

Universiti Malaysia Terengganu

21030 Kuala Nerus, Terengganu, Malaysia

[jumadil.saputra@umt.edu.my](mailto:jumadil.saputra@umt.edu.my)

## Abstract

Judicial reform is an essential reference policy for state administrative courts to change its quality more effectively and efficiently. The state administrative court is one of the judicial environments under the supreme court that apply technology-based electronic justice in the 4.0 era. It makes it more informative, transparent, and accountable. Therefore, the current investigation is written to study the concept of technology-based electronic justice in optimising the utilisation of electronic justice in state organisational justice, Banda Aceh, Indonesia. This study is designed using qualitative research through normative juridical. The data was collected from legal literature studies, such as books, national or international journals and interviews with relevant parties, especially state administrative court in Banda Aceh. The result of this study is the implementation of the case search information system has marked a significant shift from the conventional judiciary to digitalisation. Optimisation efforts have been conducting in the online trial process through the equipment needed by the judiciary, selected as a pilot project using electronic justice. The trial has been accomplished by doing some training on improving human resources in the environment. As a result, it is expecting that e-Court and e-litigation applications would be more efficient.

## Keywords

Optimisation, Digitalization, Technology-based Electronic Justice, Judicial Reform

## Acknowledgements

We would like to thank you for Universiti Malaysia Terengganu for this excellent collaboration work.

## Biographies

**Elidar Sari** is a lecturer at Faculty of Law, Universitas Malikussaleh, Muara Satu, Kota Lhokseumawe, Aceh 24355, Indonesia

**Arif Rahman** is a lecturer at Faculty of Law, Universitas Malikussaleh, Muara Satu, Kota Lhokseumawe, Aceh 24355, Indonesia

**Jumadil Saputra** is a PhD holder and works as a senior lecturer in the Department of Economics, Faculty of Business, Economics and Social Development, Universiti Malaysia Terengganu, Malaysia. He has published 125 articles Scopus/ WoS indexed. As a lecturer, he has invited as a speaker in numerous universities, the examiner (internal and external), the reviewer for article journal and proceeding, the conference committee, journal editorial board, and

others. He is a professional member of the International Business Information Management Association (IBIMA), Ocean Expert: A Directory of Marine and Freshwater Professional, and Academy for Global Business Advancement (AGBA). His research areas are Quantitative Economics (Microeconomics, Macroeconomics, and Economic Development), Econometrics (Theory, Analysis, and Applied), Islamic Banking and Finance, Risk and Insurance, Takaful, i.e., financial economics (Islamic), mathematics and modelling of finance (Actuarial).