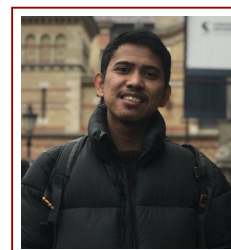


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Education

- 2020–present **PhD Mathematics**, *Budapest University of Technology and Economics*
Thesis: *Algebraic methods in quantum computing and information processing*
- 2017–2019 **MSc Mathematics**, *Leiden University*
Thesis: Gröbner bases for decoding linear codes
- 2012–2016 **BSc Mathematics**, *Hasanuddin University*
Thesis: System of linear equations over max-plus algebra

Research Schools

- 2022 **CIMPA School**, *Summer School on Applied Arithmetic at Nesin*
<http://susaan.inria.fr>
- 2020 **CIMPA School**, *Research School on Group Actions in Arithmetic and Geometry*
<http://www.rnta.eu/Yogyakarta2020/>
- 2015 **SEAMS School**, *SEAMS School on Coding and Graph Theory*

Awards

- 2020–2024 **Stipendium Hungaricum Scholarship**, *The Government of Hungary*
Scholarship for pursuing doctoral degree in Budapest University of Technology and Economics, Hungary
- 2017–2019 **LPDP Scholarship**, *The Government of Indonesia*
Scholarship for pursuing master degree in Leiden University, Netherlands
- 2014–2016 **Rumah Kepemimpinan Scholarship**, *Yayasan Nurul Fikri*
Leadership and Managerial Training Scholarship
- 2012–2016 **Bidikmisi Scholarship**, *The Government of Indonesia*
Scholarship for pursuing bachelor degree in Hasanuddin University, Indonesia

■ Publications

1. M. Imran, & G. Ivanyos. An exact quantum hidden subgroup algorithm and applications to solvable groups. Quantum Inf. Comput., 22(9-10):771–790, 2022.
2. M. Imran. An exact version of Shor’s order finding algorithm and its applications. Technical Report 2205.04240 [quant-ph], arXiv, 2022.

■ Teaching

1. **Informatics 2** : Python programming language. (2020/2021)
2. **Introduction to Algebra 1** : Basic group theory, and linear algebra. (2021/2022)
3. **Introduction to Algebra 2** : Advanced linear algebra and its applications. (2021/2022)

■ References

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