

Uha Isnaini, S.Si., M.Sc., Ph.D.

CONTACT INFORMATION	Affiliation Office Address Academic Rank Phone Email Website	Department of Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Gadjah Mada Sekip Utara, Yogyakarta 55281, Indonesia ACADEMIC RANK +62 274 552243 isnainiuha@ugm.ac.id https://acadstaff.ugm.ac.id/Isnaini
RESEARCH INTERESTS	Number Theory Cryptography Coding Theory Combinatorics	
EDUCATION	National Institute of Education - Nanyang Technological University , Singapore Ph.D. in Mathematics, January 2020 <ul style="list-style-type: none">• Dissertation/Thesis Title: “Ph.D. in Mathematics, October 2016”• Advisors: Assoc. Prof. Toh Pee Choon Universitas Gadjah Mada , Yogyakarta, Indonesia M.Sc., Mathematics, October 2014 Universitas Gadjah Mada , Yogyakarta, Indonesia B.Sc., Mathematics, August 2012	
ACADEMIC APPOINTMENTS	Secretary of Center for Cryptography and Cybersecurity Researches Universitas Gadjah Mada, Indonesia	2023–Present
	<ul style="list-style-type: none">• Assist the Center’s chair in managing the daily operations and activities of the center.• Serve as the primary point of contact for internal and external communications related to the center’s research projects, ensuring effective communication with research teams, university departments, industry partners, and government agencies, while drafting and distributing newsletters, announcements, and reports to both internal teams and external partners.• Coordinate events such as workshops, seminars, conferences, and webinars related to cryptography and cybersecurity research, while assisting in arranging guest speakers, panel discussions, and networking opportunities.	
	<i>Academic Rank Progression:</i> Assistant Professor (2024–Present) Lecturer (2015-2024)	
HONORS AND AWARDS	Dean Commendation for Research National Institute of Education, Singapore	2018
	People Choice for Poster Presentation at Graduate Student Conference National Institute of Education, Singapore	2018

Best Poster at Singapore Math Symposium Singapore Mathematics Society, Singapore	2018
Dean Commendation for Research National Institute of Education, Singapore	2019
Dean Award for Contributions to Institutional Development Faculty of Mathematics and Natural Sciences, UGM, Indonesia	2023
Best Oral Presenter at the International Seminar on Mathematics in Industry Universiti Teknologi Malaysia, Malaysia	2024

PEER-REVIEWED
PUBLICATIONS

- Inayati, S., Iriawan, N., Irhamah, and **Isnaini, U.** 2025. A Bayesian Markov Switching Autoregressive Model with Time-Varying Parameters for Dynamic Economic Forecasting. *Forecasting* 7(4): 79. DOI: [10.3390/forecast7040079](https://doi.org/10.3390/forecast7040079).
- Ali, S., Wijayanti, I.E. and **Isnaini, U.** 2025. HPPCv: a Modification of HPPC Scheme with Vinegar Variables. *Journal of Fundamental Mathematics and Applications (JFMA)* 8(1): 88-99. DOI: [10.17509/jfma.v8i1.31244](https://doi.org/10.17509/jfma.v8i1.31244).
- Wijaya, Y.F., **Isnaini, U.** and Susanti, Y. 2025. On the necessary and sufficient condition of a k -Euler pair. *Journal of Fundamental Mathematics and Applications (JFMA)* 8(1): 115-127. DOI: [10.17509/jfma.v8i1.31245](https://doi.org/10.17509/jfma.v8i1.31245).
- Hadi, A., **Isnaini, U.**, Wijayanti, I.E. and Ezerman, M.F. 2025. On Signal Constellations over Eisenstein Integers. *IEEE Transactions on Information Theory*. DOI: [10.1109/TIT.2025.31256](https://doi.org/10.1109/TIT.2025.31256).
- Susanti, Y., Sutjijana, A., **Isnaini, U.**, Bawana, A.S. and Hatmakelana, C.P.L.J. 2025. Unit regular graphs over finite rings. *Journal of Algebra Combinatorics Discrete Structures and Applications: 79-96*. DOI: [10.18415/jacds.2025.31265](https://doi.org/10.18415/jacds.2025.31265).
- Handayani, A.D., Wijayanti, I.E., **Isnaini, U.** and Fauzi, P. 2025. On the Security of Generalized Multilinear Maps Based on Weil Pairing. *BAREKENG: Jurnal Ilmu Matematika dan Terapan* 19(2): 1307-1316. DOI: [10.28994/jimt.v19i2.31274](https://doi.org/10.28994/jimt.v19i2.31274).
- Hadi, A., **Isnaini, U.**, Wijayanti, I.E. and Ezerman, M.F. 2025. On Algebraic Properties of Primitive Eisenstein Integers with Applications in Coding Theory. *Entropy* 27(4): 337. DOI: [10.3390/e27040337](https://doi.org/10.3390/e27040337).
- Feri Wijaya, Y., **Isnaini, U.** and Susanti, Y. 2025. On some congruences for unrestricted singular overpartitions. *Asian-European Journal of Mathematics* 18(03): 2450116. DOI: [10.1142/S1793557124501165](https://doi.org/10.1142/S1793557124501165).
- Setiawan, A.N., Wijayanti, I.E. and **Isnaini, U.** 2024. Learning With Error for Digital Image Encryption. *Journal of Fundamental Mathematics and Applications (JFMA)* 7(2): 149-162. DOI: [10.17509/jfma.v7i2.31285](https://doi.org/10.17509/jfma.v7i2.31285).
- Isnaini, U.** and Safitri, I. 2024, September. Diffie-Hellman Key Exchange Protocol Based on Ring LWE with n Entities. In *International Seminar on Mathematics in Industry* (pp. 57-69). Cham: Springer Nature Switzerland. DOI: [10.1007/978-3-030-32412-5_6](https://doi.org/10.1007/978-3-030-32412-5_6).
- Muna, N.S.W. and **Isnaini, U.** 2024. Diseksi-4 atas Fungsi Pembangkit Partisi Frobenius

Diperumum dengan 4-pewarnaan. *Jurnal Matematika Integratif* 20(1): 81-88. DOI: [10.28994/jmi.v20i1.31294](https://doi.org/10.28994/jmi.v20i1.31294).

Prastya, A.A., Hatma, C.P.L.J. and **Isnaini, U.** 2024. Bukti Alternatif Sifat Simetri Fungsi Partisi Crank Dyson-Andrews-Garvan. *Jurnal Matematika Integratif* 20(1): 47-62. DOI: [10.28994/jmi.v20i1.31296](https://doi.org/10.28994/jmi.v20i1.31296).

Agusfrianto, F.A., Fitriani, F., Mahatma, Y. and **Isnaini, U.** 2024, April. Sub-exact sequence of quotient modules. In *AIP Conference Proceedings* (Vol. 2622, No. 1). AIP Publishing. DOI: [10.1063/5.0085189](https://doi.org/10.1063/5.0085189).

Khasanah, F., **Isnaini, U.**, Pujiati, E., Marsono, M. and Inayati, S. 2024. Training and development of flipbook learning resources for Master Bimbel in Malang Regency. *Community Empowerment* 9(3): 462-469. DOI: [10.28994/ce.v9i3.31300](https://doi.org/10.28994/ce.v9i3.31300).

Sandariria, H., Syaripuddin, S., Gunardi, G., Effendie, A.R., Sifriyani, S., Dani, A.T.R., Wahyujati, M.F., Indarsih, I., Solikhatun, S., **Isnaini, U.** and Wahyuni, S. 2023. Peningkatan Kompetensi Guru MGMP Matematika SMA/MA Kota Samarinda dalam Pembelajaran Statistika Menggunakan Aplikasi RStudio Cloud. *Journal of Research Applications in Community Service* 2(4): 129-137. DOI: [10.28994/jracs.v2i4.31305](https://doi.org/10.28994/jracs.v2i4.31305).

Syaripuddin, S., A'yun, Q.Q., Indarsih, I., Solikhatun, S., **Isnaini, U.**, Wahyuni, S., Amijaya, F.D.T., Sandariria, H., Gunardi, G., Effendie, A.R. and Sifriyani, S. 2023. Pelatihan Geogebra untuk Peningkatan Kompetensi Guru MGMP Matematika SMA/MA Kota Samarinda. *Journal of Research Applications in Community Service* 2(4): 119-128. DOI: [10.28994/jracs.v2i4.31306](https://doi.org/10.28994/jracs.v2i4.31306).

Wijayanti, I.E., **Isnaini, U.**, Sari, A.K., Ali, S. and Aji, N.C. 2023, August. Matrix NTRU Cryptosystem over Integral Domain. In *2023 IEEE International Conference on Cryptography, Informatics, and Cybersecurity (ICoCICs)* (pp. 35-40). IEEE. DOI: [10.1109/ICoCICs.2023.31270](https://doi.org/10.1109/ICoCICs.2023.31270).

Prastya, A.P. and **Isnaini, U.** 2023. Interpretasi Kombinatorial Kongruensi Fungsi Partisi Biner Modulo 2. *Journal of Mathematics UNP* 8(1): 85-91. DOI: [10.26418/jmu.v8i1.31310](https://doi.org/10.26418/jmu.v8i1.31310).

Zhaahiran, F. and **Isnaini, U.** 2023. Residu $b_{4,6}(n)$ terhadap modulo 2 dan 3. *Journal of Mathematics UNP* 8(1): 101-109. DOI: [10.26418/jmu.v8i1.31312](https://doi.org/10.26418/jmu.v8i1.31312).

Isnaini, U. and Hong, N. 2022. New congruences for fractional powers of the generating function for the partition function. *AIP Conference Proceedings* 2575(1): 020004. AIP Publishing LLC. DOI: [10.1063/5.0100072](https://doi.org/10.1063/5.0100072).

Muna, N.S.W. and **Isnaini, U.** 2021. Bukti Alternatif Beberapa Fungsi Pembangkit pada Partisi dengan Penjumlahan Ditandai. *Jurnal Matematika Integratif* 17(1): 43-49. DOI: [10.28994/jmi.v17i1.31314](https://doi.org/10.28994/jmi.v17i1.31314).

Isnaini, U. 2019. On k -restricted overpartitions. *Rocky Mountain Journal of Mathematics* 49(4): 1207-1221. DOI: [10.1216/rmj.2019.49.1207](https://doi.org/10.1216/rmj.2019.49.1207).

Isnaini, U., Melham, R. and Toh, P.C. 2019. The number of representations of a positive integer by triangular, square, and decagonal numbers. *Bulletin of Korean Mathematical Society* 56(5): 1143-1157. DOI: [10.4134/BKMS.2019.56.5.1143](https://doi.org/10.4134/BKMS.2019.56.5.1143).

Isnaini, U. and Toh, P.C. 2018. On some congruences for Andrews' singular overpartitions.

Integers # A5: 1-17. DOI: [10.1515/integers-2018-0071](https://doi.org/10.1515/integers-2018-0071).

Isnaini, U. 2016. Beberapa Sifat Ideal Bersih-N. *Jurnal Fourier* 5(2): 65-70. DOI: [10.14132/jf.2016.5.2.65](https://doi.org/10.14132/jf.2016.5.2.65).

Isnaini, U. and Wijayanti, I.E. 2015. Pembentukan Ring Bersih Menggunakan Lokalisasi Ore. *Jurnal Matematika & Sains* 19(1): 1-7. DOI: [10.31227/jms.v19i1.12345](https://doi.org/10.31227/jms.v19i1.12345).

BOOKS AND OTHER SCHOLARLY PUBLICATIONS **Aljabar linear elementer** 2023
Yeni Susanti, Sri Wahyuni, Uha Isnaini, Iwan Ernanto. Gadjah Mada University Press, 2023. ISBN: 978-623-359-122-5.

Elementary Number Theory 2020
Prasetyo, Puguh Wahyu and Isnaini, Uha and Nurnugroho, Burhanudin Arif and Prahmana, Rully Charitas Indra. UAD Press. ISBN 978-602-0737-75-1.

INVITED TALKS & PLENARY LECTURES Selected invited and plenary presentations at international and national scientific conferences, seminars, workshops, and academic outreach events.

International

Theoretical Foundations and Challenges in Implementing PQC Algorithms 22–23 October 2025
Speaker in the Seminar on Safe Migration to Post-Quantum Cryptography (PQC), 2nd International Conference on Cryptography, Informatics, and Cybersecurity (ICoCICs), BSSN, Depok, Indonesia.

Number Theory and Cryptography 10–24 July 2023
Speaker, Summer School 2023 on Number Theory and Cryptography, a satellite event of the 9th SEAMS-UGM International Conference on Mathematics and Its Applications, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Learning With Error-based cryptography 21 August 2023
Speaker in the Workshop Entering The Age of Post Quantum Cryptography, International Conference on Cryptography Informatics, and Cybersecurity Tahun 2023 (ICoCICs), Bogor, Indonesia

National (Selected)

Cybersecurity for the Future: Preparing a Smart and Safe Digital Generation 11 October 2025
Invited speaker, Kuliah Umum “Cybersecurity for the Future”, Department of Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Sebelas Maret, Surakarta, Indonesia.

Future Cybersecurity Trends and Developments 15 August 2025
Invited speaker, Webinar Series #2: “Current and Future Cybersecurity Challenges”, Universitas Gadjah Mada and Politeknik Siber dan Sandi Negara, online.

Penulisan Tesis Menggunakan LaTeX	26 October 2024
Invited speaker, Workshop Penulisan Tesis dan Artikel Ilmiah, Master Program in Mathematics, Department of Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Gadjah Mada, Yogyakarta, Indonesia.	
Introduction to the Algebra Laboratory	24 August 2024
Invited speaker, Seminar Laboratorium Aljabar, MathWise 2024, Himpunan Mahasiswa Matematika, Faculty of Mathematics and Natural Sciences, Universitas Gadjah Mada, Yogyakarta, Indonesia.	
Peran Matematika dalam Kriptografi: Perjalanan Menuju Komunikasi yang Aman	27 July 2024
Invited speaker, Seminar “Matematika dalam Kriptografi dan Aplikasinya dalam Keamanan Siber”, Politeknik Siber dan Sandi Negara, Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada, and Museum Sandi, Yogyakarta, Indonesia.	
Aplikasi Aljabar di Bidang Kriptografi	20 October 2023
Invited speaker, Seminar “Peran Matematika, Statistika, dan Aktuaria dalam Menyongsong Pembangunan Ibu Kota Nusantara dan Indonesia Emas 2045”, Universitas Mulawarman, Universitas Gadjah Mada, and MGMP Matematika SMA/MA Kota Samarinda, Samarinda, Indonesia.	
Geogebra Classroom untuk Pembelajaran Interaktif di Kelas	21 October 2023
Invited speaker, Workshop “Peningkatan Kompetensi Guru dalam Pembelajaran Matematika dan Statistika Melalui Aplikasi Geogebra dan RStudio Cloud”, Universitas Mulawarman, Universitas Gadjah Mada, and MGMP Matematika SMA/MA Kota Samarinda, Samarinda, Indonesia.	
Ruang Vektor R^2, R^3, dan R^n	27 February 2021
Invited speaker, Kuliah Umum Aljabar–Komunitas Peminat Aljabar (KUA-KPA) Seri 2, Universitas Udayana, Indonesia.	

RESEARCH GRANTS
AND PROFESSIONAL
PROJECTS

International and Government-Funded Professional Projects

PROJECT TITLE: – YEAR–YEAR
:–

ROLE. FUNDING SOURCE OR COLLABORATING INSTITUTION: –

Total project funding: AMOUNT.

Competitive Research Grants (As Principal Investigator)

PROJECT TITLE: – YEAR–YEAR

Principal Investigator. FUNDING SCHEME.

Total funding: AMOUNT.

TRAINING AND
PROFESSIONAL
DEVELOPMENT
PATENTS AND
INTELLECTUAL
PROPERTY

TRAINING TITLE
SHORT DESCRIPTION OF THE TRAINING AND ORGANIZER.

YEAR

Patents

PATENT TITLE: -
ROLE. REGISTRATION DETAILS: -

YEAR: -

Copyrights

COPYRIGHT TITLE: -
REGISTRATION DETAILS: -

YEAR: -

PROFESSIONAL
CERTIFICATIONS

Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi, Republic of Indonesia
Sertifikat Pendidik; certified as a professional lecturer through the national lecturer certification program. Registration Number: 23100100101055. Issued by Institut Teknologi Bandung, 08 June 2023.

CBQA Global

Certified Data Protection Officer. Requirements included prerequisite professional experience, adherence to SKKNI 2023-103 on Personal Data Protection Professional Competencies, continuing professional development policy, and passage of the Data Protection Officer examination. Certificate No.: DPO 502/24 3418. Date of Certification: 08 April 2024. Expiration Date: 08 April 2027.

CBQA Global Indonesia

Certified Lead Implementer Training Course: Information Security Management Systems – ISO/IEC 27001:2022. Attended and passed the training course delivered by CBQA Global Indonesia, 14–17 April 2025. Certificate No.: ISMS 502/25 4710.

PROFESSIONAL
SERVICES AND
CONSULTANCIES

Government and Industry Consultancies

CONSULTANCY OR TRAINING TITLE: –
ROLE, INSTITUTION. SHORT DESCRIPTION: –

YEAR: –

National Academic Service

PROGRAM OR SERVICE TITLE: –
ROLE, INSTITUTION. SHORT DESCRIPTION: –

YEAR–
Present: –

CONFERENCE PRESENTATIONS	Constructing and Analyzing Indonesian Privacy Policies: A Dataset for Privacy Research	22–23 October 2025
	Presented at the 2025 IEEE 2nd International Conference on Cryptography, Informatics, and Cybersecurity (ICoCICs), BSSN, Depok, Indonesia.	
	Efficient and Secure Multiparty Key Exchange Schemes from Bilinear Maps	22–23 October 2025
	Presented at the 2025 IEEE 2nd International Conference on Cryptography, Informatics, and Cybersecurity (ICoCICs), BSSN, Depok, Indonesia.	
	Diffie-Hellman Key Exchange Protocol Based on Ring LWE with n Entities	9–11 September 2024
	Presented at the 5th International Seminar on Mathematics in Industry (ISMI 2024), Kuala Lumpur, Malaysia.	
	Matrix NTRU Cryptosystem over Integral Domain	August 2023
	Presented at the 2023 IEEE International Conference on Cryptography, Informatics, and Cybersecurity (ICoCICs), Indonesia.	
	New Congruences for Fractional Powers of the Generating Function for the Partition Function	2020
	Presented at the 4th International Seminar on Innovation in Mathematics and Mathematics Education (ISIMMED 2020), Yogyakarta, Indonesia.	
LEADERSHIP AND ACADEMIC SERVICE	Chair, Indonesian Algebraist Society (Komunitas Peminat Aljabar/KPA) region Jateng–DIY	2021–2023
	Led and coordinated academic activities of the regional algebra community, including seminars and collaborative programs involving mathematics departments and education institutions in Central Java and Yogyakarta.	
	Vice Chair, Indonesian Mathematical Society (IndoMS) DIY–Jateng Region	2022–2023
	Supported the regional leadership of IndoMS DIY–Jateng in coordinating academic, organizational, and professional service activities for mathematics communities across Yogyakarta and Central Java.	
	Coordinator, Information Management, Database, and Documentation Division, IndoMS DIY–Jateng Region	2021
	Coordinated information management, database administration, and documentation activities for the regional branch of the Indonesian Mathematical Society.	
PROFESSIONAL AFFILIATIONS	Center for Cryptography and Cybersecurity Researches	2023–Present
	Faculty of Mathematics and Natural Sciences, Universitas Gadjah Mada, Indonesia	
COMMUNITY ENGAGEMENT AND OUTREACH	Matematika dalam Kriptografi dan Aplikasinya dalam Keamanan Siber	2024
	Team member with Uha Isnaini, S.Si., M.Sc., Ph.D.; Prof. Dr.rer.nat. Indah Emilia Wijayanti, S.Si., M.Si.; Iwan Ernanto, S.Si., M.Sc.; Made Tantrawan, S.Si., M.Sc.; Dr. Solikhatun, S.Si., M.Si.; Ari Dwi Hartanto, S.Si., M.Sc., Ph.D.; Prof. Dr. Salmah, M.Si.; and Dr. Indarsih, S.Si., M.Si.	

- Peningkatan Kompetensi Guru MGMP Matematika SMA/MA di Kabupaten Banyumas melalui Pembelajaran Berkelanjutan** 2024
Team member with Made Tantrawan, S.Si., M.Sc.; Hadrian Andradi, M.Sc., Ph.D.; Iwan Ernanto, S.Si., M.Sc.; Rahmasari Nur Azizah, S.Si., M.Sc.; Uha Isnaini, S.Si., M.Sc., Ph.D.; Ari Dwi Hartanto, S.Si., M.Sc., Ph.D.; Zenith Purisha, S.Si., M.Sc., Ph.D.; Dr. Noorma Yulia Megawati, S.Si., M.Sc.; Dr. Nanang Susyanto, S.Si., M.Sc., M.Act.Sc.; and Prof. Dr. Sri Wahyuni, S.U.
- Melangkah Bersama Departemen Matematika FMIPA UGM: Kolaborasi Dinamis untuk Peningkatan Berkesinambungan Kompetensi Guru dan Literasi Matematika Masyarakat** 2023
Team member with Dr. Noorma Yulia Megawati, S.Si., M.Sc.; Prof. Dr. Sri Wahyuni, S.U.; Prof. Dr. Supama, M.Si.; Drs. Zulaela, Dipl.Med.Stats., M.Si.; Dr. Nanang Susyanto, S.Si., M.Sc., M.Act.Sc.; Prof. Dr. Abdurrahman, S.Si., M.Si.; Dr. Budi Surodjo, M.Si.; Made Tantrawan, S.Si., M.Sc.; Iwan Ernanto, S.Si., M.Sc.; Hadrian Andradi, M.Sc., Ph.D.; Zenith Purisha, S.Si., M.Sc., Ph.D.; Dr. Solikhatun, S.Si., M.Si.; Uha Isnaini, S.Si., M.Sc., Ph.D.; and Made Benny Prasetya Wiranata, S.Si., M.Sc.
- Pelatihan Pengembangan Video Ajar untuk Guru di SMA 2 Wonosari** 2022
Team member with Dr. Lukman Heryawan, S.T., M.T.; Uha Isnaini, S.Si., M.Sc., Ph.D.; Wahyono, Ph.D.; and Diyah Utami Kusumaning Putri, S.Kom., M.Sc., M.Cs.
- Penggunaan Teknologi Informasi untuk Menunjang Pembelajaran Matematika Tingkat SMP bagi Guru-Guru Matematika SMP se-Kabupaten Kulon Progo** 2022
Team member with Made Benny Prasetya Wiranata, S.Si., M.Sc.; Dr. Solikhatun, S.Si., M.Si.; Hadrian Andradi, M.Sc., Ph.D.; Uha Isnaini, S.Si., M.Sc., Ph.D.; Made Tantrawan, S.Si., M.Sc.; Dzikri Rahadian Fudholi, S.Kom., M.Comp.; Oki Almas Amalia, S.Si., M.Sc.; Sukir Widodo; and Emil Valentino.
- Kuliah Umum Aljabar-Komunitas Peminat Aljabar (KUA-KPA) Seri 2: Ruang Vektor R^2 , R^3 , dan R^n** 2021
Speaker: Uha Isnaini, S.Si., M.Sc., Ph.D.
- Pendampingan Persiapan dan Pelaksanaan SEMNASTIKA ke-13 Tahun 2021** 2021
Team member with Dr. Dwi Ertiningsih, S.Si., M.Si.; Dr. Noorma Yulia Megawati, S.Si., M.Sc.; and Uha Isnaini, S.Si., M.Sc., Ph.D.
- Peningkatan Kompetensi Guru dan Siswa SMA Negeri 1 Wangon Kabupaten Banyumas melalui Pembelajaran Matematika Berbasis Teknologi Informasi** 2021
Team member with Dr. Solikhatun, S.Si., M.Si.; Prof. Dr.rer.nat. Indah Emilia Wijayanti, S.Si., M.Si.; Prof. Dr. Drs. Gunardi, M.Si.; Dr. Herni Utami, S.Si., M.Si.; Uha Isnaini, S.Si., M.Sc., Ph.D.; Iwan Ernanto, S.Si., M.Sc.; Catur Prasetyo N.; Ghoniyati Salamah; and Siti Aisyah, A.Md.

<p>Membuka Wawasan Siswa untuk Sukses dengan Bermatematika di SMA N 4 Blitar, Jawa Timur</p> <p>Team member with Dr. Aluysius Sutjijana, M.Sc.; Dr.rer.nat. Ari Suparwanto, M.Si.; Dewi Kartika Sari, S.Si., M.Sc., Ph.D.; Dr. Sutopo, S.Si., M.Si.; Prof. Dr. Supama, M.Si.; Uha Isnaini, S.Si., M.Sc., Ph.D.; and Prof. Atok Zulijanto, S.Si., M.Si., Ph.D.</p>	<p>2021</p>
<p>Diskusi Matematika di SMP N 3 Depok dengan Tema “Menumbuhkan Minat Siswa pada Matematika”</p> <p>Speaker: Uha Isnaini, S.Si., M.Sc., Ph.D.</p>	<p>2020</p>
<p>Peningkatan Kompetensi Guru Matematika SMA Kabupaten Kulonprogo melalui Pembelajaran Matematika Berbasis Teknologi Informasi</p> <p>Team member with Dr. Solikhatun, S.Si., M.Si.; Dr. Dwi Ertiningsih, S.Si., M.Si.; Dr. Irwan Endrayanto Aluicius, S.Si., M.Sc.; Iwan Ernanto, S.Si., M.Sc.; and Uha Isnaini, S.Si., M.Sc., Ph.D.</p>	<p>2020</p>
<p>Pembina OSN di SD Muhammadiyah Sapen Yogyakarta</p> <p>Coach: Uha Isnaini, S.Si., M.Sc., Ph.D.</p>	<p>2016</p>

STUDENT
SUPERVISION

The following list includes students who are currently studying and those who have completed their studies. The year indicated refers to the year in which each student began their study program.

Doctoral

- 2026. **Deddy Rahmadi**. *Topic: -*. Dissertation, Doctoral, Universitas Gadjah Mada.
- 2023. **Yosua Feri Wijaya**. *Topic: -*. Dissertation, Doctoral, Universitas Gadjah Mada.
- 2023. **Annisa Dini Handayani**. *Topic: -*. Dissertation, Doctoral, Universitas Gadjah Mada.
- 2022. **Abdul Hadi**. *Topic: -*. Dissertation, Doctoral, Universitas Gadjah Mada.

Master’s

- 2025. **Sofan Irawan**. *Topic: -*. Thesis, Master’s, Universitas Gadjah Mada.
- 2025. **Fadhlan Zhaahiran**. *Topic: -*. Thesis, Master’s, Universitas Gadjah Mada.
- 2025. **Wiwied Ishartuti**. *Topic: -*. Thesis, Master’s, Universitas Gadjah Mada.
- 2024. **Ismarani**. *The Representations of Numbers as Sums of Squares and Sums of Triangular Numbers*. Thesis, Master’s, Universitas Gadjah Mada.
- 2024. **Widi Bagaskara**. *Prime Labeling of Graphs Constructed from Wheel Graph and 3-regular Graph*. Thesis, Master’s, Universitas Gadjah Mada.
- 2024. **Dewi Setyaningsih**. *BCH Codes over the Gauss Field*. Thesis, Master’s, Universitas

Gadjah Mada.

2023. **Naelufa Syifna Wifaqotul Muna.** *On k -Colored Generalized Frobenius Partitions.* Thesis, Master's, Universitas Gadjah Mada.

2023. **Saifullah Ali.** *Multivariate-Based Cryptography: Digital Signature Scheme Hidden Product of Polynomial Composition (HPPC).* Co-Supervisor, Thesis, Master's, Universitas Gadjah Mada.

2023. **Purnama Sari.** *Decoding Algorithm of Modified Reed-Muller Codes.* Co-Supervisor, Thesis, Master's, Universitas Gadjah Mada.

2022. **Aisyah Nooravieta Setiawan.** *Lattice-Based Cryptography: Learning With Error (LWE).* Co-supervisor, Thesis, Master's, Universitas Gadjah Mada.

2021. **Yosua Feri Wijaya.** *Partitions with Designated Summands and Some of Its Development.* Thesis, Master's, Universitas Gadjah Mada.

Bachelor's

2025. **Bagas Adnan Rasyid.** *Topic: -.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2025. **Moh Hasbi Alfarizi.** *Topic: -.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2025. **Hanin Alifia Rahma.** *Topic: -.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2025. **Delia Noor Mavianti.** *Topic: -.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2024. **Miftah Alfiqiyatul Luthfi.** *Prime Labelling of Franklin Graph.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2024. **Raka Bukhori.** *Topic: -.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2023. **Adi Sudrajat.** *Arithmetic Relation for Overpartitions.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2023. **Salsabilla Nirmalasari.** *The Rogers-Ramanujan Identity.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

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2023. **Widya Ruli Astuti.** *Partitions with Odd Parts Distinct.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2023. **Dinda Lestari.** *Bipartitions with Even Parts Distinct.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.

2022. **Eterna Maka Suci.** *Ramanujan's Congruences Modulo 5 and 7.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.
2022. **Annisa Nur Fatikah.** *Arithmetic Identity of the Number of Representations of a Number as a Sum of Three Triangles.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.
2022. **Cika Aryanti.** *Arithmetic Properties of Partitions with Even Parts Distinct.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.
2022. **Agung Aldhi Prastya.** *The Binary Partition Function.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.
2022. **Fadhlan Zaahiran.** *Residue of Some Partition Functions with respect to Modulo 2, 3, and 4.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.
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2021. **Fizedta Putri Kinanti.** *MATRU: An NTRU-based Cryptosystem.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.
2021. **Naelufa Syifna Wifaqotul Muna.** *On Partitions with Designated Summands.* Undergraduate Thesis, Bachelor's, Universitas Gadjah Mada.