



**UNIVERSITAS NEGERI YOGYAKARTA**  
 Faculty of Mathematics and Natural Sciences  
 Department of Mathematics Education

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**Bachelor of Science in Mathematics**

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**STAFF HANDBOOK**

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|---|---|-------------------------------|-------------------------|
| Name  | <b>Kuswari Hernawati, M.Kom.</b>  |                               |                         |
| Expertise   | Computer Science  |                               |                         |
| Academic Career   | Initial Academic Appointment  | <b>Institution</b>            | <b>Year</b>             |
|   |   | Universitas Negeri Yogyakarta | 2006                    |
| Academic Background                                     | 1. Post Doctoral  | -                             | -                       |
|   | 2. Doctoral Degree  | Universitas Negeri Yogyakarta | -                       |
|   | 3. Master Degree  | Universitas Gadjah Mada       | 2003                    |
|   | 4. Undergraduate Degree   | Universitas Sebelas Maret     | 1999                    |
| Employment  | <b>Position</b>   | <b>Employer</b>               | <b>Period</b>           |
|   | 1. Tenaga Pengajar/CPNS   | Universitas Negeri Yogyakarta |                         |
|   | 2. Asisten Ahli Madya   | Universitas Negeri Yogyakarta |                         |
|   | 3. Asisten Ahli   | Universitas Negeri Yogyakarta | 30/06/2006 - 30/06/2009 |
|   | 4. Instructor (Lektor Muda)   | Universitas Negeri Yogyakarta |                         |
|   | 5. Assistant Professor (Lektor)   | Universitas Negeri Yogyakarta | 30/06/2009 - 02/09/2013 |
|   | 6. Associate Professor (Lektor Kepala)  | Universitas Negeri Yogyakarta | 02/09/2013 - sekarang   |
| Research and development projects over the last 5 years | 1. DIPA Fakultas<br>"Pengembangan Skema Pencapaian Kompetensi Lulusan Program Studi Pendidikan Matematika"<br>Periode : 2017<br>Partner : Wahyu Setyaningrum, S.Pd., M.Ed., Ph.D, Endah Retnowati, S.Pd., M.Ed., Ph.D., & Dr. Ali Mahmudi, M.Pd<br>Amount of financing : IDR 10.000.000,-   |                               |                         |
|   | 2. DIPA Fakultas<br>"Pemetaan Wilayah Berdasarkan Indeks Pembangunan Manusia Dan Polusi Udara Menggunakan Jaringan Syaraf Tiruan: Self Organizing Feature Map"<br>Periode : 2016<br>Partner : Nur Insani, S.Si., M.Sc., Nur Hadi Waryanto, S.Si., M.Eng., Bambang Sumarno Hadi Marwoto, M.Kom., & Drs. Sahid, M.Sc.<br>Amount of financing : IDR 10.000.000,- |                               |                         |

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| Industry collaborations over the last 5 years   | 1. Project title: Pelatihan Bijak Sosial Media Bagi Orangtua Untuk Pendampingan Penggunaan Smartphone Yang Bertanggung Jawab (2017)<br>Partner: <b>Puskesmas Desa Gedangsari</b>   |             |               |
|   | 2. Project title: Pelatihan Pembuatan Buku Elektronik Interaktif (2016)<br>Partner: <b>MTA (Majelis Tafsir Al-Qur'an) di Kabupaten Sleman</b>  |             |               |
|   | 3. Project title: Upaya Pengoptimalan Konten E-Learning Melalui Pengembangan Mathematics Learning Video (MLV) Berbantu Geogebra Dan Camtasia (2016)<br>Partner: <b>MGMP Matematika Sleman</b>  |             |               |
|   | 4. Project title: Pelatihan Pembuatan Website Pemerintahan Desa Dengan Cms Wordpress Di Kabupaten Sleman Daerah Istimewa Yogyakarta (2015)<br>Partner: <b>Pemkab Sleman</b>  |             |               |
|   | 5. Project title: Pelatihan Pembuatan Website Sebagai Sarana Publikasi Organisasi Dan Pemerintahan Desa Di Kabupaten Sleman Daerah Istimewa Yogyakarta (2014)<br><br>Partner: <b>Pemerintah Desa Kabupaten Sleman</b>  |             |               |
| Patents and proprietary rights  | <b>Title</b>   | <b>Year</b> |               |
| Important publications over the last 5 years  | <b>Selected recent publications form a total of approx.:</b>   |             |               |
|   | 1. Lestari, H.P., & <a href="#">Hernawati, K.</a> (2014). The Student's Response To Solid Geometry Learning Using Information Communication Technology (ICT). International Seminar on Innovation in Mathematics and Mathematics Education. ISSN 978-602-1037-00-3   |             |               |
|   | 2. <a href="#">Hernawati, K.</a> , Insani, N., & Sumarno, B. (2014). <b>Application Of Association Rules With Apriori Algorithm To Determine The Pattern Of The Relationship Between SBMPTN Database And Student's Grade Point Average.</b> International Seminar on Innovation in Mathematics and Mathematics Education. ISSN 978-602-1037-00-3 |             |               |
|   | 3. Hernawati, K. (2015). <b>Integrasi Teknologi Web 2.0 dalam Pembelajaran Matematika.</b> PROSIDING SEMINAR NASIONAL MATEMATIKA DAN PENDIDIKAN MATEMATIKA. ISSN 978-602-73403-0-5   |             |               |
|   | 4. Pradipta, D., & <a href="#">Hernawati, K.</a> (2015). Pengembangan Lembar Kegiatan Siswa Materi Garis dan Sudut dengan Pendekatan Inquiry Berbantuan Software Wingeom. PROSIDING SEMINAR NASIONAL MATEMATIKA DAN PENDIDIKAN MATEMATIKA. ISSN 978-602-73403-0-5  |             |               |
| 5. <a href="#">Hernawati, K.</a> , Insani, N., Sumarno, B., Waryanto, N.H., Sahid, S. (2017). <b>Mapping the Indonesian territory, based on pollution, social demography and geographical data, using self organizing feature map.</b> AIP Conference Proceedings 1868(1), p.040002 (2017); <a href="https://doi.org/10.1063/1.4995117">https://doi.org/10.1063/1.4995117</a> . |  |             |               |
| Activities in specialist bodies over the last 5 years<br><i>(Membership without a specific role need not be mentioned)</i>  | <b>Organization</b>  | <b>Role</b> | <b>Period</b> |
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