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A. PERSONAL DETAILS

UMK JOIN DATE	21-Oct-2007
DATE OF APPOINTMENT FOR CURRENT POSITION	27-Sep-2015
DATE OF CONFIRMATION FOR CURRENT POSITION	03-May-2018
EDUCATION(S)	<ul style="list-style-type: none">• () PROFESIONAL• (2015) UNIVERSITY OF THE RYUKYUS, JAPAN IJAZAH DOKTOR FALSAFAH FORESTRY FOREST ENGINEERING• (2010) WAGENINGEN UNIVERSITY, THE NETHERLANDS IJAZAH SARJANA FOREST AND NATURE CONSERVATION ECOLOGY• (2007) UNIVERSITI PUTRA MALAYSIA IJAZAH SARJANA MUDA FORESTRY FOREST PRODUCTION• (2001) Sek. Men. Sains Kuala Selangor SPM
GROUP OF EXPERTISE	<ul style="list-style-type: none">• Forest and Wooded Lands• Geographical Information System (GIS)• Other Environmental Engineering n.e.c.• Other Forest Engineering and Operation n.e.c.
AWARD(S)	<ul style="list-style-type: none">• Award Name: Anugerah Perkhidmatan Cemerlang (APC) Tahun 2021 (2022) Awarded by: Universiti Malaysia Kelantan• Award Name: Anugerah Gemilang Universiti Tahun 2018 - Kategori Perundingan (2019) Awarded by: Universiti Malaysia Kelantan• Award Name: Anugerah Jasa Universiti Tahun 2017 (2018) Awarded by: Universiti Malaysia Kelantan• Award Name: Anugerah Gemilang UMK Tahun 2017- Perundingan (2018) Awarded by: Universiti Malaysia Kelantan• Award Name: Anugerah Perkhidmatan Cemerlang 2016 (2017) Awarded by: Universiti Malaysia Kelantan
WORKING EXPERIENCE(S)	
PROFESIONAL MEMBERSHIP(S)	<ul style="list-style-type: none">• LEMBAGA TEKNOLOGIS MALAYSIA MEMBER NATIONAL 11-Oct-2024-11-Oct-4048

B. TEACHING-LEARNING ACTIVITIES

	<ul style="list-style-type: none">• BKT2053 - ENERGY AND NATURAL RESOURCES• EFT1133 - BASICS BIOLOGY• EFT1173 - INTRODUCTION TO FORESTRY SCIENCE• EFT1273 - INTRODUCTION TO COMPUTERS• EFT13203 - EARTH CAMP
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COURSES TAUGHT	<ul style="list-style-type: none"> • EFT2182 - REMOTE SENSING AND GIS • EFT2283 - INTRODUCTION TO GIS • EFT2293 - INTRODUCTION TO REMOTE SENSING • EFT23302 - ENTREPRENEURIAL APPRENTICE • EKE3223 - ENVIRONMENTAL GIS • ENE3193 - BASIN AND WATERSHED MANAGEMENT • ENE3203 - SUSTAINABLE FOREST MANAGEMENT • ENE3283 - CRYPTOGAM BIOLOGY • ENT3193 - RESEARCH PROJECT I • ENT4203 - RESEARCH PROJECT II • ENT4228 - INDUSTRIAL TRAINING • ENT4388 - INDUSTRIAL TRAINING II • EWT3143 - FOREST HARVESTING TECHNOLOGY • FPE3213 - INDUSTRIAL ECOLOGY • FPE3233 - ENVIRONMENT EDUCATION
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C. RESEARCH AND DEVELOPMENT

JOURNAL(S)	<ol style="list-style-type: none"> 1. Muhamad Azahar Abas, Shukri, A.S.M., Mohamad Faiz Mohd Amin, Mohd Sukhairi Mat Rasat, Noor Janatun Naim Jemali. (2025-12). A study of knowledge, awareness and eating habits of Orang Asli children at Sg Rual primary school, Jeli, Kelantan, Malaysia. <i>Multidisciplinary Reviews</i> , Vol. 8 (12) . https://doi.org/10.31893/multirev.2025344 2. Mohd Azmeer Abu Bakar, Asyirah Abdul Rahim, Norhayati Mat Ghani, Mohd Aiman Mohd Asri, Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid. (2024-11-04). Importance of Forest Services in the Provision of Water Sources to the State of Penang, Peninsular Malaysia. <i>INTERNATIONAL JOURNAL OF RESEARCH AND INNOVATION IN SOCIAL SCIENCE (IJRISS)</i> , Vol. Volume VIII Issue X October 2024 , pp. 801-512. https://doi.org/https://dx.doi.org/10.47772/IJRISS.2024.8100065 3. Che Hanis Omar, Ibrahim, Nor Izaida, Sitti Fatimah Mhd Ramle, Nur Khyairatul Syafinie, Noor Janatun Naim Jemali. (2024-06-30). Enhancing Roselle Growth and Yield through Planting Density and Fertilization Strategies: A Study on BRIS Soil Area. <i>Malaysian Journal of Bioengineering and Technology (MJBeT)</i> , Vol. 1 , pp. 41-47. https://doi.org/10.70464/mjbet.v1i1.1302 4. Mohd Sukhairi Mat Rasat, Mohamad Faiz Mohd Amin, Razak Wahab, Muhammad Iqbal Ahmad, An'amt Mohamed Noor, Janshah Mokhtar, Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid. (2023). Influence of Torrefaction Parameters on Elemental Properties of Torrefied Oil Palm Empty Fruit Bunch Biochar. <i>Borneo Journal of Sciences and Technology (BJoST)</i> , Vol. 5(1) , pp. 84-89. https://doi.org/10.35370/bjost.2023.5.1-10 5. Mohd Sukhairi Mat Rasat, Mohamad Faiz Mohd Amin, Razak Wahab, Muhammad Iqbal Ahmad, An'amt Mohamed Noor, Ag Ahmad Mohd Yunus, Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid. (2023). Torrefaction on agricultural residues empty fruit bunch: Effect of torrefaction processing factors on thermal properties of torrefied empty fruit bunch biochar. <i>Journal of Tropical Resources and Sustainable Science</i> , Vol. 11 (1) , pp. 10-14. https://doi.org/10.47253/jtrss.v11i1.1087 6. Muhammad M., Zawawi M.A.M., Jemali N.. (2023). Incorporating the Plant Disease Triangle Framework for Analyzing the Effect of FWB Incidence on Soil Attributes. <i>Israa University Journal of Applied Science</i> , Vol. 6(2) , pp. 85-96. https://doi.org/10.52865/vwb9414 7. Majid S.A., Jemalil N.J.N, Fairuz A.N., Abdullah H.S.. (2022). Soil Physicochemical Properties in Response to Tree Planting at Gunung Siku Forest Reserve, Pahang. <i>Malaysian Forester</i> , Vol. 85 (2) , pp. 307 - 314. 8. Noor Janatun Naim Jemali, Syafiq Sulaiman, Nur Khyairatul Syafinie, Marinah Muhammad. (2021-06). A preliminary study on wildlife roadkill incidents in Jeli, Kelantan. <i>Journal of Tropical Resources and Sustainable Science</i> , Vol. 9 , pp. 67-69. 9. Muhammad Firdaus Abdul Karim, Marinah Muhammad, Noor Janatun Naim Jemali, Arham Muchtar Achmad Bahar. (2020). Assessing the Dynamics of Urban Growth and Land Use Changes in Jeli Using Geospatial Technique. <i>Journal of Tropical Resources and Sustainable Science</i> , Vol. 8 , pp. 28-35. 10. Noor Janatun Naim Jemali, Shaparas Daliman, Afiqah Ibrahim Sukri. (2020). Digital Mapping of UMK Jeli Campus Using Drone Technology. <i>Journal of Engineering Technology and Applied Physics</i> , pp. 23-26.
	<ol style="list-style-type: none"> 1. Mohd Sukhairi Mat Rasat, Mohamad Faiz Mohd Amin, Bukhari S.N.B., Muhammad Iqbal Ahmad, An'amt Mohamed Noor, Kamarul Ariffin Bin Kambali @ Hambali, Yunus A.A.M., Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid, Rosman N., Zaki J.A., Latif N.H.A.. (2025-02-25). Effect on chemical properties of small diameter <i>Leucaena leucocephala</i> wood via torrefaction processing. In <i>AIP Conference Proceedings</i> . American Institute of Physics. https://doi.org/10.1063/5.0259284 2. Nazahatul Anis Amaludin, Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid, Mohd Sukhairi Mat Rasat, Zulhazman Hamzah, Mohd Rafi Yaacob, Muhammad Najmi Mohd Masri. (2024). The Role of The Malaysian Nature Society Kelantan Branch in Raising Awareness of Mangrove Tree Conservation at Delta Kelantan, Tumpat, Kelantan. In <i>E-PROCEEDING SULAM INNOVATE SHOWCASE & SYMPOSIUM (SUISS 2024) COMMUNITY PROJECT</i> , pp. 78 - 85. UMK Press. 3. Mohd Sukhairi Mat Rasat, Mohamad Faiz Mohd Amin, Muhammad Iqbal Ahmad, An'amt Mohamed Noor, Janshah Mokhtar, Ag Ahmad Mohd Yunus, Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid, Nazahatul Anis Amaludin, Siti Noor Balqis Bukhari, Dasrul Iskandar Darus, Muhamad Azahar Abas, Muhammad Aizat Abd Ghani, Mohamad Asyraf Mohd Amin. (2024). Impact of pelletisation on torrefied oil palm empty fruit bunch biochar. In <i>BIO Web of Conferences</i> . EDP Sciences. https://doi.org/10.1051/bioconf/202413105014 4. Mohd Sukhairi Mat Rasat, Mohamad Faiz Mohd Amin, Muhammad Iqbal Ahmad, An'amt Mohamed Noor, Janshah Mokhtar, Ag Ahmad Mohd Yunus, Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid, Nazahatul Anis Amaludin, Siti Noor Balqis Bukhari, Dasrul Iskandar Darus, Roziela Hanim Alamjuri. (2024). Bonding Properties and Morphological Characteristics of Torrefied Pelletised Biochar from Palm Oil Industry's Residues Empty Fruit Bunch. In <i>BIO Web of Conferences</i> . EDP Sciences. https://doi.org/10.1051/bioconf/202413105006

PROCEEDING(S)

5. Abdullah, Norerliana Syafika, Al-Hafiz Mat Razii, Muhammad, Abdul Aziz, Ahamd Adham, Baharom, Nur Izati, Noor Janatun Naim Jemali, Mohd Sukhairi Mat Rasat, Amal Najihah Muhamad Nor, Nazahatul Anis Amaludin. (2024). Floristic Composition and Tree Species Diversity with DBH \geq 5 cm at Gunung Stong State Park (GSSP), Kelantan, Peninsular Malaysia. In *BIO Web of Conferences* . EDP Sciences. <https://doi.org/10.1051/bioconf/202413101010>
 6. Nur Kyariatul Syafinie Abdul Majid, Raj S., Noor Janatun Naim Jemali, Mohd Sukhairi Mat Rasat, Nazahatul Anis Amaludin. (2024). Tree risk and hazard assessment at UMK-Tropical Rainforest Research Centre (UMK-TRaCe), Pulau Banging, Perak, Malaysia. In *IOP Conference Series: Earth and Environmental Science* . Institute of Physics. <https://doi.org/doi:10.1088/1755-1315/1433/1/012016>
 7. Majid S., Najid, F. N., Jemalil N.J.N. (2023). Safeguarding serenity: assessing tree risks and hazards in UMK Jeli Campus for sustainable management. In *BIO Web of Conferences* . EDP Science. <https://doi.org/10.1051/bioconf/20237301015>
 8. Rasat, M.S.M., Amin M.F.M., Wahab, R., Ahmad M I, Mohamed Noor, A., Moktar, J., Jemalil N.J.N, Majid S.A., Rosman, N., Zaki, J. A., Latiff, N, H. A.. (2023). Effects of Torrefaction Process on Chemical Properties of Small Diameter Acacia mangium Wood. In *BIO Web of Conferences* . EDP Science. <https://doi.org/10.1051/bioconf/20237305004>
 9. Shahadan N.S., Abong N.N.D., Rhani M.F.A., Razafindrabe B.H.N., Naim Jemali N.J. (2022). Land cover classification using object-based image analysis (OBIA) in Delta Tumpat, Kelantan. In *AIP Conference Proceedings* . American Institute of Physics Inc.. <https://doi.org/10.1063/5.0078662>
 10. Noor J.N.J, Aqilah Abdul rahim, Mohamad Radi Mohamad Rosly, Siti susanti, Daliman, Shaparas, Marinah M., Abdul Karim, M.F.. (2022). Adopting drone technology in STEM education for rural communities. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-5. Institute of Physics. <https://doi.org/10.1088/1755-1315/1064/1/012017>
 11. Rahim, Aqilah Abdul, Noor J.N.J, Che Aziz R., Majid S., Muhammad M., Razafbinrabe, B., Abong, N. N. D., Nordin, S. M., Yusof, M.. (2022). Evaluation of knowledge and perception of locals toward the conservation effort in mangrove forest at Delta Tumpat, Kelantan, Malaysia. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-5. Institute of Physics. <https://doi.org/10.1088/1755-1315/1102/1/012086>
 12. Jemalil N.J.N, Aqilah Abdul Rahim, Syafinie, A.M, Muhammad M., Susanti, S., Abong, N. N. D., Nordin, S. M., Yusof, M.. (2022). Assessing conservation efforts of mangrove forest in Delta Tumpat Kelantan. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-4. Institute of Physics. <https://doi.org/10.1088/1755-1315/1102/1/012070>
 13. Sulaiman, N., Arham Muchtar, A.B., Noor J.N.J. (2022). Geoheritage Potential of Bukit Panau, Kelantan, Malaysia. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-8. Institute of Physics. <https://doi.org/10.1088/1755-1315/1102/1/012026>
 14. Arham Muchtar, A.B., Marinah M., Ali Khan, M.M., Noor J.N.J. (2022). Spatio-temporal analysis in determination of flood extent based on rainfall intensity and water level data in Kuala Krai, Kelantan. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-7. Institute of Physics. <https://doi.org/10.1088/1755-1315/1102/1/012058>
 15. Mhd Ramle, S.F., Ali N.M.A.M., Jemalil N.J.N, Che Zaudin, N. A., Ibrahim N.I., Majid N.K.S.A.. (2021-05). Potential of Goniothalamus velutinus wood for agri-food industry. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-6. IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/756/1/012071>
 16. Jemalil N.J.N, Masami S., Azita A.Z.. (2021-05). Application of digital terrain model in identifying potential conservation area (PCAs) of subtropical forest in Okinawa, Japan. In *IOP Conference Series: Earth and Environmental Science* , pp. 1-9. IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/756/1/012088>
 17. Anis-Athirah B.N., Mohd-Fariz A.R., Bam H.N.R., Majid S., Muhammad, M., Jemalil N.J.N. (2021-09). Delineation of flood-prone areas using Digital Elevation Model (DEM) in Kuala Krai, Kelantan. In *IOP Conference Series: Earth and Environmental Science* , pp. 1 - 6. IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/842/1/012045>
 18. Muhammad M., Ibrahim Q.A.Q., Ghani M.S.M., Jemali N., Awang, N.R.. (2021-09). Spatio-temporal analysis of rainfall data in Kuala Krai Kelantan. In *IOP Conference Series: Earth and Environmental Science* . IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/842/1/012023>
 19. Jemalil N.J.N, Yahya J., Bam H.N.R., Majid S., Muhammad, M.. (2021-09). High-quality timber species production under multi-storey forest management approach in Malaysia. In *IOP Conference Series: Earth and Environmental Science* . IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/842/1/012002>
 20. Muhammad M., Achmad Bahar A.M., Ali Khan, M.M., Naim Jemali N.J. (2020-12-28). Kelantan Big Yellow Flood 2014: Statistical Analysis on Relationship between Rainfall Intensity and Water Level. In *International Conference on Science and Technology 2020, ICoST 2020* . IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/596/1/012062>
 21. Jemali N., Muhammad M., Yahya J. (2020-12-28). Wood-based industry in Kelantan. In *International Conference on Science and Technology 2020, ICoST 2020* . IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/596/1/012068>
 22. Arham Muchtar, A.B., Muhammad M., Ali Khan, M.M., Naim Jemali N.J. (2020-09). Statistical and Spatial Analyses of the Kelantan Big Yellow Flood 2014. In *2nd International Conference on Tropical Resources and Sustainable Sciences, CTReSS 2020* . IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/549/1/012014>
 23. Adeli A.S., Naim Jemali N.J, Daliman S., Abd Rani M.F., Abd Majid N.K.S.. (2020-08-04). Remote Estimation of Gross Primary Production (GPP) using MODIS data in Kelantan: A Preliminary Assessment. In *10th IGRSM International Conference and Exhibition on Geospatial and Remote, IGRSM 2020* . Institute of Physics Publishing. <https://doi.org/10.1088/1755-1315/540/1/012051>
 24. Naim Jemali N.J, Abd Rhani, M.F., Muhammad M., Abdul Majid, N.K.S.. (2020-09). Forest Growth Analysis of Ulu Sat Forest Reserve. In *2nd International Conference on Tropical Resources and Sustainable Sciences, CTReSS 2020* . IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/549/1/012039>
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1. Nik Maheran Nik Muhammad, Roselina Ahmad Saufi, Hanisa Hassan, Seri Intan Mokhtar, Mohamad Faiz Mohd Amin, Shardy Abdullah, Burhan Che Daud, Ng Siew Foen, Nooraini Yusoff, An'amt Mohamed Noor, Tan Tse Guan, Khairiyah Mat, Derweanna Bah Simpong, Muhammad Azwadi Sulaiman, Siti Afiqah Zainuddin, Ruhil Hayati Hamdan, Noorzamzarina Sulaiman, Ramly Hasan, Liyana Ahmad Afip, Dzulkifli Mukhtar, Noorshella Che Nawi, Nor Fadhillah Kamaruzzaman, Noor Janatun Naim Jemali, Mohammad Rusdi Mohd Nasir, Yohan Kurniawan, Mohd Zaimuddin Mohd Zain, Zulhisyam Abdul Kari, Suchi Hassan, Mohd Hazim Mohamad Amini, Nurul Izrin Md Saleh. (2024-03-04). Peraturan Akademik Pengajian Siswazah Secara Penyelidikan Edisi Kelima. Perpustakaan Negara Malaysia.
 2. Aainaa Syazwani Mohammad Amir Hamzah, Norashikin Fauzi, Noor Janatun Naim Jemali. (2023). Teknik Kerja Lapangan Dalam Sains Sumber Asli. UMK Publisher.

<p>BOOK(S)</p>	<ol style="list-style-type: none"> 3. Nabsiah Abdul Wahid, Noor Janatun Naim Jemali, Nik Mohd Noor Faizul Md Saad, Sazali Osman. (2023). Water Watch Programme for Young Leaders (WWP4YL) modules series II UNESCO-IHP Malaysia. UMK Press. 4. Marinah Muhammad, Noor Janatun Naim Jemali, Nurul Syazana Abdul Halim, Syafinie Majid. (2021). Pelan Strategik Fakulti Sains Bumi (2021 & 2026).. 5. Noor Janatun Naim Jemali, Nazahatul Anis Amaludin, Mohd Radhi Chu, Nur Najwa Dina Abong, Suryani Mohd Nordin. (2020). Hutan Ulu Sat:Nadi Pemeliharaan Alam Semulajadi Kelantan. Jabatan Perhutanan Negeri Kelantan. 6. Elvaene James, Hafzan Eva Mansor, Marieanne Christie Leong, Muhammad Firdaus Abdul Karim, Noorzamzarina Sulaiman, Shaparas Daliman, Siti aisyah Nawawi, Siti Hajar Ya'acob, Noor Syuhadah Subki, Amal Najihah Muhamad Nor, Marinah Muhammad, Muhamad Azahar Abas, Norashikin Fauzi, Nor Shahirul Umirah Idris, Noordiana Mohamad Nasir, Sharifah Aisyah Syed Omar, Mohamad Fikri Samsudin, Muhammad Nizam Abdul Rahman, Hafidah Kamsani, Nur Hidayah Hasan, Nurul Izzati Mohamad, Nazahatul Anis Amaludin, Faathrio Hudaaya Zulfrin, Rozidaini Mohd Ghazi, Noor Janatun Naim Jemali, Mohamad Faiz Mohd Amin, Wong Hie Ling. (2020). Laporan Tahunan FSB 2020. Fakulti Sains Bumi, Universiti Malaysia Kelantan.
<p>CHAPTER(S)</p>	<ol style="list-style-type: none"> 1. Noor Janatun Naim Jemali, Nazmi Maꞑsom, Nur Kyariatul Syafinie Abdul Majid, Nur Najwa Dina Abong, Afiq Iqbal. (2025-10). Landuse and Landcover Change at Lojing Highlands. In 34-SIRI KEPELBAGAIAN BIOLOGI-PERGUNUNGAN LOJING, HUTAN SIMPAN LOJING, KELANTAN (pp. 182-190). Jabatan Perhutanan Semenanjung Malaysia. 2. Mohamad Faiz Mohd Amin, Noor Janatun Naim Jemali, Mohd Sukhairi Mat Rasat, Nazmi MaꞑSom, Mohd Afiq Abdul Kahar, Nur Kyariatul Syafinie Abdul Majid. (2025-10). Overview of Sg. Rengil and Sg. Brok Water Quality Status In Lojing Highlands, Kelantan. In 34 Siri Kepelbagaian Biologi Hutan- Pergunungan Lojing, Hutan Simpan Lojing Kelantan Pengurusan Hutan, Sosioekonomi Dan Kepelbagaian Biologi (pp. 152-159). Jabatan Perhutanan Semenanjung Malaysia. 3. Aainaa Syazwani Mohammad Amir Hamzah, Norashikin Fauzi, Noor Janatun Naim Jemali. (2023). Bab 1: Pengenalan Teknik Kerja Lapangan dalam Sains Sumber Asli. In Teknik Kerja Lapangan dalam Sains Sumber Asli (pp. 1-4). UMK Publisher. 4. Noor Janatun Naim Jemali, Nur Kyariatul Syafinie Abdul Majid. (2023). Bab 10: Teknik Inventori Hutan. In Teknik Kerja dan Lapangan dalam Sains Sumber Asli (pp. 87-92). Penerbit UMK. 5. Aainaa Syazwani Mohammad Amir Hamzah, Norashikin Fauzi, Noor Janatun Naim Jemali. (2023). Bab 12: Kesimpulan bagi Teknik Kerja dan Lapangan dalam Sains Sumber Asli. In Teknik Kerja dan Lapangan dalam Sains Sumber Asli (pp. 101-103). Penerbit UMK. 6. Nabsiah Abdul Wahid, Noor Janatun Naim Jemali, Nik Mohd Noor Faizul Md Saad, Sazali Osman. (2023). Part 1: Introduction : UNESCO-IHP Malaysia - Educating young leaders through water watch programme. In Water Watch Programme for Young Leaders (WWP4YL) modules series II UNESCO-IHP Malaysia (pp. 3-11). UMK Press. 7. Noor Janatun Naim Jemali, Marinah Muhammad, Nur Kyariatul Syafinie Abdul Majid, Nik Raihan Nik Yusoff, Nadya Ahmad Kamal, Mohd Zuhir Ahmad Mustafa Khalili, Faiz Aiman Ashaari. (2023). Module 4: Forest and water (Part 2: Water watch programme for young leaders modules). In Water Watch Programme for Young Leaders (WWP4YL) modules series II UNESCO-IHP Malaysia (pp. 47-60). UMK Press. 8. Mohd Sofiyah Sulaiman, Wan Rafizah Wan Abdullah @ Wan Abd. Rahman, Nazaitulshila Rasit, Sofiah Hamzah, Sunny Goh Eng Giap, Mohammad Hakim Che Harun, Rohani Mustapha, Noor Janatun Naim Jemali, Mohamad Faiz Mohd Amin, Marinah Muhammad, Mohamad Syahiran Mustafa, Asmadi Ali @ Mahmud. (2023). Module 6: Bank erosion hazard index (Part 2: Water watch programme for young leaders modules). In Water Watch Programme for Young Leaders (WWP4YL) modules series II UNESCO-IHP Malaysia (pp. 71-84). UMK Press. 9. Nabsiah Abdul Wahid, Noor Janatun Naim Jemali, Nik Mohd Noor Faizul Md Saad, Sazali Osman. (2023). Part 3: Conclusion : UNESCO-IHP Malaysia - Educating Young Leaders Through Water Watch Programme. In Water Watch Programme for Young Leaders (WWP4YL) modules series II UNESCO-IHP Malaysia (pp. 163-167). UMK Press. 10. Mohd Helmi Ahmad, Rosnani Ahmad, Nabsiah Abdul Wahid, Noor Janatun Naim Jemali, Nasarudin Nasir. (2022). Module 4: Water Quality Monitoring Using Psychochemical Tests. In WATER WATCH PROGRAMMME FOR YOUNG LEADER (WWP4YL) (pp. 45-50). UMK PRESS. 11. Noor Janatun Naim Jemali, Nik Raihan Nik Yusoff, Marieanne Christie Leong, Noordiana Mohamad Nasir, Wong Hie Ling, Muhammad Firdaus Abdul Karim, Hamzah Hussin, Nor Shahirul Umirah Idris. (2021). Pembangunan, Penyelidikan, Perundingan dan Keusahawanan. In BUKU E-PELAN STRATEGIK FAKULTI SAINS BUMI 2021-2026 (pp. 63-72). UMK Press. 12. Nurul Syazana Abdul Halim, Rozidaini Mohd Ghazi, Noor Janatun Naim Jemali, Norrimi Rosaida Awang, Wani Sofia Udin, Daliman, Shaparas, Muhamad Azahar Abas, Nursufiah Sulaiman, Siti Hafidah Kamsani, Mohamad Fikri Samsudin, Norashikin Fauzi, Nor Shahida Binti Shafiee @ Ismail, Nazahatul Anis Amaludin, Nik Raihan Nik Yusoff, Zulhazman Hamzah, Musfiroh Jani, Kamarul Ariffin Hambali, Rohazaini Muhammad Jamil, Roniza Ismail, Mohammad Muqtada Ali Khan, Amal Najihah Muhamad Nor, Siti aisyah Nawawi, Hafzan Eva Mansor, Elvaene James, Zaitul Zahira Ghali @ Ghazali, Hamzah Hussin, Muhammad Firdaus Abdul Karim, Wong Hie Ling, Marieanne Christie Leong, Siti Hajar Ya'acob, Appalasanya, Suganthi, Noor Syuhadah Subki, Nor Hizami Hassin, Noorzamzarina Sulaiman, Nor Shahirul Umirah Idris, Nurul Izzati Mohamad, Faathrio Hudaaya Zulfrin, Nur Izzati Salleh, Nur Syahida Ibrahim, Mohammed Firdaus Mohd Ridzuan, Mohamad Rohanif Mohamed Ali, Mohd Khairul Aizuddin Razali, Nur Hidayah Hasan, Muhamad Nizam Abdul Rahman, Noordiana Mohamad Nasir, Sharifah Aisyah Syed Omar. 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RESEARCH(S)	<ol style="list-style-type: none"> 1. ASSESING MODERATE RESOLUTION IMAGING SPECTRORADIOMETER (MODIS) ENHANCED VEGETATION INDEX (EVI) TO ESTIMATE TERRESTRIAL ECOSYSTEM GROSS PRIMARY PRODUCTION OF DIFFERENT LANDUSE TYPES IN KELANTAN MEMBER FRGS 2017 2. COMMUNITY EMPOWERMENT IN TREE FELLING AND CHAINSAW OPERATION SAFETY TECHNIQUE FOR A HAZARD-FREE ENVIRONMENT MEMBER UMKSIR 2021 3. DRONE @SCHOOL: BRIDGING DIGITAL DIVIDES IN ENHANCING STEM EDUCATION FOR RURAL COMMUNITY HEAD UMKSIR 2020 4. EDGE EFFECT ON MICROCLIMATE AND TREE CHARACTERISTICS IN A TROPICAL RAINFOREST FRAGMENTATION HEAD SGJP 2016 5. OPTIMISATION AND CHARACTERISATION OF MULTIPLE RESPONSES ANALYSIS ON TORREFIED BIOCHAR FROM OIL PALM RESIDUE AS SOLID FUEL MEMBER UMK-FUND 2022 6. PENJANA:PERSIJILAN PROFESIONAL PENJAGAAN DAN KESELAMATAN POKOK HEAD KPT 2022 7. PLAN TINDAKAN PENINGKATAN EKONOMI KOMUNITI MISKIN MELALUI SISTEM PENGURUSAN PENTERNAKAN DAN PENGELUARAN UDANG GALAH (3PUG) MEMBER KERAJAAN 2022 8. PROGRAM SUPERFOOD SPIRULINA: LANGKAH LESTARI UNTUK MENGATASI MALNUTRISI KOMUNITI MEMBER MOF 2020 9. PLAN TINDAKAN PENINGKATAN EKONOMI KOMUNITI MISKIN MELALUI SISTEM PENGURUSAN PENTERNAKAN DAN PENGELUARAN UDANG GALAH (3PUG) MEMBER KERAJAAN 2022 10. TREND ANALYSIS OF FLOOD EVENTS AND THEIR RELATIONSHIP TO EXTREME RAINFALL FOR FLOOD MITIGATION IN KELANTAN MEMBER UMK-FUND 2020 11. PALEOECOLOGY SAURAPOD DINASOUR HABITAT OF BUKIT PANAU PASIR MAS MEMBER UMK-FUND 2020
SUPERVISION	<ul style="list-style-type: none"> • ASSESSING KNOWLEDGE AND PUBLIC AWARENESS ON MANGROVE FOREST CONSERVATION EFFORTS IN DELTA TUMPAT, KELANTAN MAIN SUPERVISOR FOR A MASTER'S STUDENT • Impacts Of Climate Change On Water Resources In Kelantan Malaysia In Challenges And Technological Adaptations CO SUPERVISOR FOR A PHD'S STUDENT • MENILAI KANDUNGAN STOK KARBON DI DALAM DIRIAN JENIS HUTAN DARAT DENGAN MENGGUNAKAN TEKNOLOGI REMOTE SENSING MAIN SUPERVISOR FOR A MASTER'S STUDENT • SPIRULINA EFFECTIVENESS STUDY ON CHILD MALNUTRITION IN KELANTAN CO SUPERVISOR FOR A MASTER'S STUDENT
	<ul style="list-style-type: none"> • Product Name: Drone@school: narrowing digital divide, increasing STEM curiosity Award: GOLD Role: Head Exhibition Name:eCRI2021 • Product Name: saga gis: alternative method for landslide monitoring Award: GOLD Role: Head Exhibition Name:cri'22 • Product Name: smart fertilization management for oilpalm using iot Award: GOLD Role: Member Exhibition Name:eREKA2022 • Product Name: flowboxsys low-cost Award: GOLD Role: Member Exhibition Name:CRI2023 • Product Name: saga gis: alternative method for landslide monitoring Award: GOLD Role: Head Exhibition Name:RISE 2022 • Product Name: E-Portfolio An Engagement Platform For Student Long-Life Learning Award: GOLD Role: Head Exhibition Name:e-telic • Product Name: saga gis: alternative method for landslide monitoring Award: SPECIAL Role: Head Exhibition Name:CRI2022 • Product Name: Agriculture carrier training program - work based learning Award: SILVER Role: Member Exhibition Name:eCRI • Product Name: E-Assessment: Student's Readiness And Acceptance Of E-Assessment In Higher Education Award: SILVER

RESEARCH AWARD (S)	<ul style="list-style-type: none"> Role: Member Exhibition Name:e-telic • Product Name: MODIS GPP FOR PROMPT CARBON ESTIMATOR Award: SILVER Role: HEAD Exhibition Name:NICERS 2020 • Product Name: Plantsense Award: SILVER Role: Head Exhibition Name:PIITRAM • Product Name: SAGA GIS:ALTERNATIVE FOR LANDSLIDE OBSERVATION Award: SILVER Role: Head Exhibition Name:PIITRAM • Product Name: empowering stem curricular via drone application Award: SILVER Role: Head Exhibition Name:iCOMPeX • Product Name: Drone@school Award: SILVER Role: Head Exhibition Name:v-miix2021 • Product Name: activated carbon from foxtailpalm Award: SILVER Role: Member Exhibition Name:eCRI2021 • Product Name: Drone @School : Enhancing Student Interest Towards STEM Award: BRONZE Role: Member Exhibition Name:e-telic • Product Name: Peningkatan STEM menggunakan Drone Award: BRONZE Role: Head Exhibition Name:eCRI • Product Name: Peningkatan Kesedaran Sains,Teknologi, Kejuruteraan Dan Matematik (STEM) Menggunakan Pendekatan Teknologi Dron Di Peringkat Sekolah Rendah Award: BRONZE Role: HEAD Exhibition Name:CRI 2020 • Product Name: LO vs Graduate Employability Award: BRONZE Role: Member Exhibition Name:e-telic • Product Name: c4c: curricular for community Award: BRONZE Role: Head Exhibition Name:eCRI • Product Name: degradation of metamifop Award: BRONZE Role: Member Exhibition Name:eCRI2021
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D. CONSULTATION

CONSULTATION(S)	<ol style="list-style-type: none"> 1. KONSULTASI PERKHIDMATAN PERUNDINGAN PEMBANGUNAN INDUSTRI PEMBUATAN BERASAKAN SUMBER HUTAN NEGERI KELANTAN HEAD 2020 2. PROJEK KAJIAN SEPARUH PENGGAL RPH 2016-2025 JPNP HEAD 2021 3. PROJEK PENILAIAN PERKHIDMATAN EKOSISTEM MENGGUNAKAN TESSA TOOLKIT DI RANGKAIAN CFS NEGERI KELANTAN HEAD 2021 4. PROJEK KAJIAN SEPARUH PENGGAL RANCANGAN PENGURUSAN HUTAN 2016-2025 JABATAN PERHUTANAN NEGERI PAHANG HEAD 2022 5. PROJEK PENILAIAN PERKHIDMATAN EKOSISTEM MEGGUNAKAN TOOLKIT FOR ECOSYSTEM SERVICE SITE-BASED ASSESSMENT (TESSA) DI RANGKAIAN EKOLOGI CENTRAL FOREST SPINE (CFS) NEGERI KELANTAN HEAD 2022 6. PROJEK PENILAIAN PERKHIDMATAN EKOSISTEM MEGGUNAKAN TOOLKIT FOR ECOSYSTEM SERVICE SITE-BASED ASSESSMENT (TESSA) DI RANGKAIAN EKOLOGI CENTRAL FOREST SPINE (CFS) NEGERI KELANTAN HEAD 2022 7. PROJEK KAJIAN SEPARUH PENGGAL RANCANGAN PENGURUSAN HUTAN 2016-2025 JABATAN PERHUTANAN NEGERI PAHANG HEAD 2022
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E. COMMUNITY SERVICES

COMMUNITY SERVICES	
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