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|  | Kod UKMAEC:*UKMAEC Code:* | (\_\_\_\_\_/2022) |
| **PENYELIDIK UTAMA*****LEAD RESEARCHER*** |  |
| **TAJUK PENYELIDIKAN** ***RESEARCH TITLE*** |  |
| **JABATAN/FAKULTI/INSTITUSI*****DEPARTMENT/FACULTY/INSTITUTION*** |  |

Tandakan [√] jika YA , [X] jika TIDAK dan [ O ] jika tidak berkaitan.

*Please Tick [√] if YES , [X] if NO and [ O ] if not applicable.*

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| **No.*****No.*** | **Perkara*****Items*** | **Penyelidik Utama*****Principal Researcher*** | **Ahli****UKMAEC*****UKMREC Member*** | Komen oleh ahli UKMAEC*Comments by UKMAEC Member* |
| 1. | Tajuk bersesuaian.*The title is appropriate.* |  |  |  |
| 2. | Nama penyelidik dinyatakan dengan jelas.*The names of the investigators are clearly stated.* |  |  |  |
| 3. | Adakah kajian yang serupa sedang/pernah dijalankan oleh penyelidik atau penyelidik lain?*Have similar studies been undertaken by you or others currently /previously?*Jika ya, sila berikan butiran di bawah dengan rujukan utama (maksimum 3 penerbitan penuh perlu dikemukakan bersama-sama borang permohonan) *If yes, provide the details below with key references (maximum of 3 full publications must be submitted together with the application form)*a) Nyatakan hasil kajian sebelum ini. *State the findings from previous studies*b) Nyatakan elemen baharu dalam kajian ini  *State the novel elements in the present study*Jika tidak,*If no,*c) Nyatakan kewajaran kajian ini.  *State the justification of the present study* |  |  |  |
| 4. | Tatacara piawai dinyatakan dengan jelas.*Standard procedures are clearly stated.* |  |  |  |
| 5. | a) | Objektif umum dinyatakan dengan jelas.*General objective is clear stated.* |  |  |  |
| b) | Objektif khusus dinyatakan dengan jelas.*Specific objectives are clear stated.* |  |  |  |
| 6. | Hipotesis dinyatakan dengan jelas.*The hypothesis(ses) is/are clear stated.* |  |  |  |
| 7. | Spesies haiwan dinyatakan dengan jelas.*The species of animals are clearly stated.* |  |  |  |
| 8. | Saiz sampel haiwan adalah bersesuaian secara statistik.*The animal sample size is appropriate statistically.* |  |  |  |
| 9. | Rekabentuk kajian dan carta alir ditunjukkan dengan jelas.*The study design dan flowchart are clearly shown.* |  |  |  |
| 10. | Haiwan ditempatkan dan dikendalikan dengan sewajarnya.*Animals are housed and handled properly.* |  |  |  |
| 11. | Kemudahan dan lokasi kajian dinyatakan dengan jelas.*The study facilties and location are clearly stated.* |  |  |  |
| 12. | Eutanasia haiwan adalah bersesuaian.*Euthanasia of animals is appropriate.* |  |  |  |
| 13. | Tiada isu etika yang besar dalam kajian ini.*There are no major ethical issues in this study.* |  |  |  |
| 14. | Kelulusan daripada pihak berkuasa berkaitan (cth: institusi penyelidik bersama, kementerian dsb telah diperoleh).*Approval from other relevant authorities (e.g. institution of co-investigators, ministries, etc has been obtained).* |  |  |  |
| 15. | Penggunaan bahan dan toksin berjadual/ dadah/peranti implan/ patogen/ ejen berbahaya telah diisytihar dengan jelas.*The use of scheduled toxins / drugs / implanted devices / pathogens/ hazardous agents are declared.* |  |  |  |
| 16. | Perjanjian harta intelek telah dilampirkan (jika berkenaan).*Intellectual Property Rights (IPR) agreement is enclosed**(if applicable).* |  |  |  |
| 17. | Rujukan adalah mencukupi.*References are sufficient.* |  |  |  |

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| 18. | Belanjawan penyelidikan adalah bersesuaian (hanya kepada pemohon PPUKM sahaja):*The study budget is appropiate (only applicable for applicants from PPUKM):*Kategori A ≥ RM10,001.00 – RM20,000.00*Category A*Kategori B ≥ RM5,001.00 – RM10,000.00*Category B*Kategori C ≥ RM1,001.00 – RM5,000.00*Category C*Kategori D ≤ RM2,500.00 per projek(Pelajar/Kakitangan UKM yang menjalankan penyelidikan di luar Malaysia) [Kakitangan bukan akademik) *Category D* *(Student/UKM staff who conducts research outside Malaysia)**[Non-Academic Staff)* Kategori E ≥ RM0 – RM1,000.00*Category E*  |  |  |  |
| 19. | Ulasan dan cadangan dari panel penilai.*Comment and suggestion by the evaluation panel.* |  |  |  |

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| **Keputusan:*****Decision:***  |  |  |  |  |  |  |  |
| Diluluskan*Approved* |[ ]   |  |  |  |  |  |
| Ditambahbaik dan dihantar semula*Revise and resubmit*  |[ ]   |  |  |  |  |  |
| Ditambahbaik dan dibentang semula*Revise and re-present* |[ ]  **Signature of Chairman UKMAEC****Assoc. Prof. Dr. Nur Azlina Mohd Fahami** | **Signature of UKMAEC Evaluation Panel** |
|  |  |  | **Name of Evaluation Panel:** |  |