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|  | | Kod UKMAEC:  *UKMAEC Code:* | (\_\_\_\_\_/2016) |
| **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 serupa pernah dijalankan?*Has a similar study been done before?* Jika ya,  *If yes,*  a) Elemen baru dalam kajian ini dinyatakan.  *The novel elements in the present study have been stated.*  b) Hasil kajian sebelum ini dinyatakan.  *Findings from previous studies have been stated*  Jika tidak,  *If not,*  c) Terdapat kewajaran yang mencukupi.  *There is sufficient justification.* | |  |  |  |
| 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. Kamisah Yusof** | | | **Signature of UKMAEC Evaluation Panel** | | | |
| **Name of Evaluation Panel:** | |  | |