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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4845** |
| Title of the Manuscript: | **Agentic AI: A Game-Changer in Cybersecurity Defense** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript introduces Agentic Artificial Intelligence (AAI) as a game-changer in cybersecurity, enhancing threat detection and response. AAI's ability to learn, adapt, and act autonomously surpasses traditional security systems.  By shifting from reactive to predictive defense, it strengthens system resilience against evolving cyber threats. This research lays a crucial foundation for intelligent, autonomous security solutions. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title, "Agentic AI: A Game-Changer in Cybersecurity Defense," is engaging but could be more precise and impactful in conveying the manuscript's focus. While it highlights the transformative role of Agentic AI, it lacks emphasis on key aspects like predictive security, autonomous decision-making, and system resilience.  Here is my suggestions alternatives title:  "Agentic AI for Cybersecurity: Transforming Threat Detection and Autonomous Defense"  Or  "Revolutionizing Cybersecurity: The Power of Agentic AI in Autonomous Threat Defense" |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract of the manuscript is well-structured and effectively highlights the significance of Agentic Artificial Intelligence (AAI) in cybersecurity. However, there some areas where improvements can enhance clarity, completeness, and impact. Below are my suggestions:   * Concise and Clear Definition of AAI 🡪 Help readers unfamiliar with the concept. * Mention of Methodology 🡪 Add credibility without too much technical detail. * Simplified Language 🡪 Increase accessibility to a wider audience. * Stronger Conclusion 🡪 Highlight AAI’s broader impact beyond just numbers. |  |
| **Is the manuscript scientifically, correct? Please write here.** | I think, the manuscript appears to be scientifically sound, as it presents a structured study with well-supported findings |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | There are areas where the reference list could be strengthened, especially to provide a broader academic foundation for the study:   * The manuscript introduces AAI but not cite any foundational works explaining the agentic AI concept in cybersecurity. * The paper have to cite other AI-driven cybersecurity methods (like: traditional machine learning vs. deep learning in security). |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript does a great job of using a formal and technical tone, making it suitable for academic audiences. |  |
| Optional/General comments | This manuscript presents an exciting and timely study on Agentic AI (AAI) in cybersecurity, offering strong technical insights and valuable research contributions.  The topic is relevant, and the study provides solid data-backed evidence on AAI’s ability to enhance threat detection, response speed, and security automation. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Aris Sarjito, Republic of Indonesia Defense University, Indonesia**