

Affidavit

I hereby declare that I have completed this thesis independently and without unauthorised outside help and only with the help that I have indicated in the thesis. All text passages that are taken verbatim or analogously from published works and all information based on verbal information are labelled as such. In the research I conducted and mentioned in the thesis, I adhered to the principles of good scientific practice as laid down in the "Statutes of Justus-Liebig-University Giessen for ensuring good scientific practice". In accordance with § 22 Para. 2 of the General Regulations for Bachelor's and Master's programmes at Justus Liebig University Giessen, I allow the thesis to be checked using anti-plagiarism software.

Declaration of the use of artificial intelligence in thesis writing

Chatbots with large language models based on artificial intelligence (AI), such as ChatGPT by OpenAI or Gemini by Google, have become easily accessible tools to support the academic writing process. The grading of your work requires an assessment of what you have contributed to your text and to what extent such models have helped you. Therefore, please complete the following explanations by ticking the boxes and adding further details if necessary.

Please mark as applicable:

- I did not use an AI tool when writing this text.
- I have used an AI tool in the following areas (check all that apply):
 - Finding ideas, stimulating my creativity
 - Understanding concepts, researching facts and definitions
 - Optimising a text I have written
 - Creation of entire text passages according to my specifications

If you have used an AI tool, please explain which parts of your text have benefited from the tool and how. If necessary, add an additional page or provide hyperlinks to the chat histories you used.

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