

*Statements of the supervisor*

I hereby declare that this thesis has been prepared under my supervision, and I confirm that it meets the requirements for submission in the professional title procedure.

I declare that my contribution to the scientific article, which is part of the thesis, is 30%, while the supplement to the thesis has been written independently by the student.

Date

11.06.2023

Signature of the Supervisor

A handwritten signature in blue ink, appearing to read "Piotr Wojski".

*Statement of the author of the thesis*

Aware of the legal responsibility, I declare that this thesis has been written by me alone and does not contain any content obtained in violation of applicable regulations.

I also declare that the submitted thesis has not been previously subject to procedures related to obtaining a professional title at a higher education institution.

Furthermore, I declare that this version of the thesis is identical to the attached electronic version.

I declare that my contribution to the scientific article, which is part of the thesis, is 70%, while the supplement to the thesis has been written by me.

Date

11.06.2023

Signature of the author of the thesis

A handwritten signature in blue ink, appearing to read "Szymon Soła".