APPENDIX A. DATABASE-SPECIFIC SEARCH STRINGS

To support search reproducibility, the exact search strings used in each of the five electronic databases are reported below. The same three concept blocks (AI/generative-AI tools, academic writing, and higher education) were combined with the Boolean operators AND/OR in every database; field tags and truncation symbols were adapted to each platform's indexing syntax. All searches were limited to English-language records published between 2023 and 2025 and were last run in January 2026.

Web of Science (Core Collection): TS=("artificial intelligence" OR "generative artificial intelligence" OR "generative AI" OR GenAI OR ChatGPT OR "large language model" OR "AI-assisted" OR "AI-supported") AND TS=("academic writing" OR "scholarly writing" OR "academic literacy" OR "writing instruction") AND TS=("higher education" OR universit OR college OR "tertiary education"). Refined by: Document Type = Article; Language = English; Publication Years = 2023–2025.

Scopus: TITLE-ABS-KEY(("artificial intelligence" OR "generative artificial intelligence" OR "generative AI" OR GenAI OR ChatGPT OR "large language model" OR "AI-assisted" OR "AI-supported") AND ("academic writing" OR "scholarly writing" OR "academic literacy" OR "writing instruction") AND ("higher education" OR universit OR college OR "tertiary education")) AND PUBYEAR > 2022 AND PUBYEAR < 2026 AND LIMIT-TO(LANGUAGE, "English") AND LIMIT-TO(DOCTYPE, "ar").

ERIC (EBSCOhost): AB ("artificial intelligence" OR "generative artificial intelligence" OR "generative AI" OR GenAI OR ChatGPT OR "large language model" OR "AI-assisted" OR "AI-supported") AND AB ("academic writing" OR "scholarly writing" OR "academic literacy" OR "writing instruction") AND AB ("higher education" OR university OR college OR "tertiary education"). Limiters: Peer-reviewed; Publication Date 2023–2025; English.

PsycINFO (EBSCOhost): AB ("artificial intelligence" OR "generative artificial intelligence" OR "generative AI" OR GenAI OR ChatGPT OR "large language model" OR "AI-assisted" OR "AI-supported") AND AB ("academic writing" OR "scholarly writing" OR "academic literacy" OR "writing instruction") AND AB ("higher education" OR universit OR college* OR "tertiary education"). Limiters: Peer-reviewed journal; Publication Year 2023–2025; English.

PubMed: ("artificial intelligence"[tiab] OR "generative artificial intelligence"[tiab] OR "generative AI"[tiab] OR GenAI[tiab] OR ChatGPT[tiab] OR "large language model"[tiab] OR "AI-assisted"[tiab] OR "AI-supported"[tiab]) AND ("academic writing"[tiab] OR "scholarly writing"[tiab] OR "academic literacy"[tiab] OR "writing instruction"[tiab]) AND ("higher education"[tiab] OR university [tiab] OR college[tiab] OR "tertiary education"[tiab]). Filters: 2023–2025; English.