**Revisi**:

| **Area** | **Koreksi** |
| --- | --- |
| Tujuan Review | This scoping review aimed to map the existing evidence on cerumenolytics, considering the variability in study designs (e.g., differing methodologies, outcome measures, and populations), the lack of randomized controlled trials (RCTs), and the absence of consistent data amenable to meta-analysis. This review synthesizes existing literature to identify knowledge gaps and guide future research goals, including efficacy, safety, and clinical best practices. |
| PCC explanation | This scoping review employs the exploratory methodological framework established by Arksey and O'Malley (8), which is effective for mapping emerging evidence and detecting gaps in diverse literature. The research adhered to a five-step methodology: (1) ) defining the research question using the Population-Concept-Context (PCC) framework (Population: individuals with cerumen impaction; Concept: application of cerumenolytic agents; Context: clinical and laboratory environments, encompassing in vitro, in vivo, and ex vivo investigations); (2) identifying relevant studies through systematic searches; (3) selecting eligible papers; (4) organizing data into structured tables; and (5) summarizing and reporting findings. |
| Strategi Pencarian | The literature search was conducted on February 11, 2025. This technique was created to encompass all relevant publications on cerumenolytic research. A standardized search methodology was consistently employed across all databases to guarantee comprehensiveness and consistency. |
| PRISMA Flow | Figure 1 |
| Data Synthesis | Tambahkan struktur subjudul dalam diskusi |
| Risk of Bias | A formal risk of bias assessment was not performed, as this is consistent with the exploratory intent of a scoping review, which seeks to delineate the extent of evidence rather than evaluate the quality of individual studies. The PRISMA Extension for Scoping Reviews (PRISMA-ScR) was utilized to guarantee methodological rigor and openness (9). This method enabled a comprehensive synthesis of data while accepting diversity in study designs, results, and contexts—crucial factors due to the absence of standardized protocols in cerumenolytic research. |
| Research Gaps | Tambahkan bagian tersendiri atau penutup diskusi |
| Checklist PRISMA-ScR | Lampiran 2 |
| conclusion | Nonetheless, further study is required to formulate standardized treatment treatment protocols and to evaluate long-term safety outcomes |
| limitation | The exclusion of non-English studies and grey literature may have created linguistic and publishing biases, potentially overlooking crucial data. Secondly, the review failed to examine various quantities of cerumenolytics or durations of administration, which are essential parameters affecting therapy success.  |