

Suppl. 1. Strengths and limitations of five popular plagiarism detection software programs.

| Software | Limitation | Strength |
|--|--|---|
| Turnitin (Turnitin LLC) [1,2] | <p>Can be expensive for individual users or small organizations</p> <p>Can produce false positives, particularly for commonly used phrases or references</p> <p>May not be as effective at detecting certain types of plagiarism, such as paraphrasing or manipulation of images or data</p> | <p>Has a large database of sources for comparison, including academic journals, periodicals, and web pages</p> <p>Provides detailed feedback on potential instances of plagiarism, including a similarity score and links to matched sources</p> <p>Has a user-friendly interface that is easy to navigate</p> |
| PlagScan (Turnitin LLC) [3] | <p>Can be expensive for individual users or small organizations</p> <p>May not be as effective at detecting plagiarism in languages other than English</p> <p>Some users have reported issues with the accuracy of the software, particularly for documents with complex formatting or graphics</p> | <p>Uses advanced algorithms to analyze submitted documents for potential plagiarism, including paraphrasing and manipulation of data</p> <p>Has a large database of sources for comparison, including academic journals, web pages, and user-uploaded documents</p> <p>Offers a range of customization options for users, such as the ability to exclude certain sources or sections of the document from the analysis</p> |
| Grammarly (Grammarly Inc) [4,5] | <p>Plagiarism detection feature is not as comprehensive as other tools, and may miss certain instances of plagiarism</p> <p>Does not have as large a database of sources for comparison as other tools</p> <p>May produce false positives for common phrases or references</p> | <p>Provides a range of writing feedback, including grammar and spelling suggestions, as well as a plagiarism checker</p> <p>Offers a user-friendly interface and integrates with a variety of platforms and tools, including Microsoft Word (Microsoft Corp) and Google Docs (Google LLC)</p> <p>Can be used for free, with a premium subscription available for additional features</p> |
| Copyscape (Indigo Stream Technologies Ltd) [6,7] | <p>Has a smaller database of sources for comparison than other tools, which can affect the accuracy of the results</p> <p>Can be less effective at detecting certain types of plagiarism, such as manipulation of data or images</p> <p>Some users have reported issues with the accuracy of the software, particularly for documents with complex formatting or graphics</p> | <p>Provides quick and easy analysis of submitted documents for potential plagiarism</p> <p>Offers a range of customization options for users, such as the ability to exclude certain sources or sections of the document from the analysis</p> <p>Has a relatively low cost for individual users or small organizations</p> |
| iThenticate [8,9] | <p>Can be expensive for individual users or small organizations</p> <p>May produce false positives for common phrases or references</p> <p>May not be as effective at detecting certain types of plagiarism, such as manipulation of images or data</p> <p>Some users have reported issues with the accuracy of the software, particularly for documents with complex formatting or graphics</p> | <p>Offers a large database of sources for comparison, including academic journals, periodicals, and web pages</p> <p>Provides detailed feedback on potential instances of plagiarism, including a similarity score and links to matched sources</p> <p>Has a user-friendly interface that is easy to navigate</p> <p>Offers a range of customization options for users, such as the ability to exclude certain sources or sections of the document from the analysis</p> <p>Is particularly effective at detecting plagiarism in academic writing and research, and is widely used in the publishing industry</p> |

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