Baligh

Polished writing, in your own voice.

Beta 0.16.3

Baligh edits and rewrites Arabic and English writing in your own style, keeping the facts of your text intact. It runs on your computer; your texts leave it only for a cloud provider you choose yourself.

Overview

Baligh is more than a rewriting tool. It is a complete pipeline for editing Arabic and English writing in your own voice:

- Cleans and analyses your text on your computer, offline.
- Rewrites through the provider you choose. With Ollama everything runs on your computer and no text leaves it.
- Long texts and whole Word files, paragraph by paragraph, with a review of each paragraph before you accept it, and resuming if work stops.
- A facts guard that checks numbers, names, codes and your terms stayed the same.
- Optional visual enrichment for Word files: a bar, line or pie chart, a table or a stages diagram built from your own text's values, inserted only with your approval.
- Writing from verified sources: seven academic sections from the introduction to the abstract, written only from your sources and notes, every sentence checked against its source, and citations and references from your sources' data, so no reference is invented.
- Thesis tools: native, editable Word equations, APA tables, research figures, special text elements, and the scholarly apparatus (numbering, cross-references, lists, abbreviations and references).
- An infographic from your description, your file or your document's elements: maps, comparisons, steps and dashboards in several layouts and colours, to an image, PDF, Word or editable PowerPoint.
- Turn your document into a PowerPoint deck: one slide per section of your final text, with editable charts.
- A disclosure section shaped for where you submit: a course, or Elsevier, Springer Nature, Science, IEEE, Wiley, Taylor & Francis and SAGE.
- Measures taken from the actual changes, and two measurement models that run inside the app.
- Tools to choose the model that suits you best, and to have a second model review its output.
- Signed automatic updates, encrypted backups, and encrypted data on your computer.

Features

Rewriting and review

Feature	What it does
Automatic cleanup	Removes hidden characters, direction marks, control characters and unnatural repetition.
Rewriting	Six registers (general, academic, professional, journalistic, simplified, literary) and three depths with a declared range: light 15–30% of words, medium 40–60%, deep over 70%. A Stop button at any moment.
Arabic, English and mixed	Detects each paragraph's language. The model rewrites in the original language and does not translate; if it does, the request is repeated automatically.
Did it match the request?	After every run: requested depth, actual share of change, register and facts, with Lighter and Deeper buttons. A paragraph outside the range is redone once automatically.
Paragraph-by-paragraph review	Long texts are processed section by section. For each paragraph: keep the original, edit by hand, or regenerate it alone. Headings, lists and numbering stay as they are.

Feature	What it does
Whole Word files	Rewrites the document's paragraphs and footnotes while keeping its formatting, images, tables and fields. Citations (Zotero, Mendeley, EndNote), links and footnote numbers stay exactly as they are inside the rewritten paragraph. A coverage report shows how much of the text is rewritten and what was left and why. Hidden characters are removed from rewritten paragraphs; cleaning the whole document is your choice. Then you download the file with the text you accepted.
Resume and remember	Every finished paragraph is saved on your computer. If work stops and you open the same file again, finished paragraphs appear at once with your edits, and only the rest goes to the model.
Tracked changes	A Word file where each changed paragraph shows the old text deleted and the new text inserted, under the author name you set, for reviewers to accept or reject in Word.
Facts and terms guard	Compares the original with the output: numbers in digits or words, dates in any format, codes, names, links and your protected terms. It also flags meaning changes: a number whose unit changed (30% became 30), a reversed range, or a lost negation, must or may. On a mismatch it retries; what remains is flagged on the paragraph.
Light editing	For text you wrote: fixes mistakes and clarifies with minimal change, showing the edits and how much changed. Quick edit returns only the corrections.
Term lists	Named lists per project or client; turn on the ones for the current document. Import from text, CSV or Excel.
Second-model review	Another model reviews each paragraph against the original; its edit is kept only if it adds no fact warnings. Return to the first draft with one click.
My writing style	Measures your style from several samples of your writing (sentence length, connectors, voice, verbal or nominal sentences) and rewrites to match you.
Source comparison	Your sources from a file or a link. After rewriting you see the overlap with them; copied or close passages become a cited quote or reference in one click, or the close passages are rewritten once, with guidance to add your own touch.
Rich editor	Font, size and colour; bold, italic, underline; alignment and lists. Right-to-left writing is fully supported.
Stock phrases	Spots overused phrases such as “in conclusion” and “it is worth noting”, and steers the model away from them.

Thesis and research tools

Tool	Description
Academic writing	Seven sections: introduction and problem, previous studies, theoretical framework, methodology, discussion, conclusion and recommendations, and the abstract; each with components you choose and a depth (brief, medium or extended). What concerns your own study (its design and results) is written from your notes alone, the rest only from your sources in My sources. Each sentence carries words quoted from the passage it cites; the app checks they are in it word for word and that its numbers and names come from it, then asks the model whether the source supports the whole sentence. Anything that fails is removed and listed with its reason. Citations (APA) and references come from your sources' data. A search of OpenAlex and Crossref finds real papers whose open full text you can add; retracted ones are flagged and cannot be added. You can also import your references from Zotero, Mendeley or EndNote (BibTeX or RIS), and each article is added with its reference.

Tool	Description
Research project	The thesis or paper as one document: your study card once, an outline suggested by study type with lengths you edit, and the project's sources; then each subsection is written at its length (in parts if long) with what came before so the text stays consistent, you write the results yourself, and the whole document exports as one Word file with chapters and merged references. What concerns your study comes from its card alone. With the document come a university template (fonts, sizes, spacing, margins and binding margin, page and heading numbers, and a cover page, starting from a ready template you adjust to your university's guide) and a consistency check across chapters: sample counts, abbreviations used before they are defined, in-text years that differ from the references, and repeated sentences. Also a readiness checklist for submission by study design (guidance, not a score) and suggested titles from your study. Comparing headings with source cards are written paragraph by paragraph, each paragraph from its own sources, and the introduction and abstract after the body.
Professional document	A request for proposals (RFP), a technical proposal, a financial report from your data, or a free document: a card with the purpose, audience, requirements, dates and prices, an outline from a template you adjust, then each section is written with the same checks. The app adds no price, date or commitment that is not in your card, and the financial report's figures are computed by code from a CSV file or a pasted table, with the report written around them only.
Review my draft	Paste text you wrote yourself and the app checks each sentence against your sources with the same checks: the closest passage, numbers from the sources, then the model's verdict. It marks what is supported, what is not, and what has a number that is not in your sources, and changes nothing in your text.
Literature matrix	A card for each source (aim, context, sample, method, instruments, findings, limitations) extracted by the model from the source's text, with a quoted sentence for each cell that Baligh checks; anything whose evidence is not found is flagged for you to correct or confirm. You assign sources to the previous-studies, theory and discussion subsections, so each is written from its own sources and compares them with the help of the cards, while citations still come from the sources' text. The matrix and its evidence export to Excel.
Other writing types	Professional: report, memo, proposal, and email reply (only from the incoming email and your notes, formal or friendly, with no date, number or commitment that is not in them). Journalistic: news story, feature and opinion piece (the opinion from your notes, the evidence from sources attributed by name). Simplified: explainer and plain summary of a source, for the general public, school students or decision-makers. The same check on every sentence, and every text downloads as Word or a PowerPoint deck.
Equations	Basic mathematics (fractions, powers, roots, algebra, geometry), statistics and financial-management libraries, LaTeX with a basic-symbols bar, or a description in words. Inserted into Word as native, editable equations, numbered, with their symbols explained and a worked example the app computes from your numbers. Arabic runs right to left.
APA tables	Paste an SPSS or Excel table to get an APA table (horizontal rules, spanning headers, significance stars and their note), or compute it from your data: descriptives, correlations, t tests and ANOVA with effect sizes. Wide tables go on a landscape page.
Research figures	The conceptual model with hypotheses (mediator, moderator, control), a PRISMA flow diagram from your numbers with its arithmetic checked, and a methodology stages diagram. To Word in APA style or as an image.

Tool	Description
Text elements	Numbered hypotheses and research questions, block quotations, interview excerpts, definition boxes and algorithms, each with a named Word style. The app adds no word to your text.
Scholarly apparatus	Table and figure numbering as Word fields with linked mentions, the lists of tables and figures and the table of contents, an abbreviations table, checks on both abstracts, keywords and appendices, a sorted reference list with a hanging indent, and the right proofing language for English words in Arabic text. Anything inconsistent is flagged.
Protected when rewriting	Equations, direct quotations, algorithms and hypotheses or research questions (unless you choose otherwise, with a warning) stay as they are; the text around them is rewritten.

Academic paper tools

- Assistance record: the share of words in your paper that came from AI, against the limit your institution allows, measured paragraph by paragraph.
- Pre-check: a local measure calibrated on your writing points to the paragraphs worth reviewing before you submit.
- Citations: finds citations without references and references without citations, quotes without a citation or page number, and unformatted references (APA and Harvard), with a reference generator. The reference list is never rewritten.
- Disclosure appendix: a ready statement in Arabic or English of the tools, purposes and measured share.
- Authorship record: versions of your paper over time on your computer, with a Word report that shows how your writing developed.

Arabic morphology

A local morphological analyser that maps each word to its lemma, root and part of speech, so the facts guard matches inflected forms of the same name, source comparison catches copying that only changed inflection, and lexical variety is counted on lemmas.

Optional: the analyser comes from CAMeL Tools (New York University Abu Dhabi, MIT license) and is included in the app; the calima-msa-r13 database is licensed under GNU GPL v2 and is not shipped with Baligh. Download it from Admin → Arabic morphological analysis, straight from the CAMeL Lab repository on GitHub (about 40 MB), after seeing its license, and delete it at any time. Without it every feature works with plain matching.

Measurement and comparison

- Two measurement models inside the app: downloaded once (about 1 GB), then they run on your computer offline.
- A local measure for each sentence: once calibrated on your writing, it shows the share of sentences that fall within your own range. Without calibration it shows no percentage, because it would not be reliable.
- What actually changed: counts taken from the differences between the original and the output: changed sentences, share of changed words, new words.
- Statistical estimates: predictability, lexical variety and sentence-length variation, clearly labelled as estimates.
- Compare models on your writing: the same text on every model you pick, ranked by keeping the facts first, then closeness to your style; adopt the winner with one click.
- Visual comparison and a corrections log: colours for additions, deletions and edits, and a log of every edit, its type and reason.

Export

Format	Highlights
Word	The default. Keeps formatting with correct right-to-left direction and the author name you set. For Word files: a clean copy or one with tracked changes.
PDF	Arabic letter shaping exactly as on screen, with embedded fonts.
Plain text and Markdown	Direct export. The corrections log as CSV or PDF.

Providers and models

- Ollama, fully on your computer; Anthropic (Claude); and Google (Gemini).
- Any OpenAI-compatible service, in the cloud or on your computer (such as LM Studio), added from the admin panel without code.
- Cloud provider keys are entered in the admin panel and saved encrypted.
- The setup wizard suggests a local model that fits your computer's memory.
- Choose on the rewrite page: provider, model and reviewer model, without restarting.
- A clear warning when you choose a cloud model that your text will leave your computer.

Security and privacy

Area	Details
Text privacy	Your text goes only to the provider you explicitly choose. With local models no text leaves your computer.
Outgoing connections	Limited to updates, model downloads, the license check (license key and a device fingerprint only), a source link you add, and only your search words when you search for papers on OpenAlex or Crossref.
Encryption on your computer	The whole database is encrypted, provider keys are encrypted, and backups are encrypted with a password you choose.
App isolation	The app runs on your computer only, accepts requests from its own window only, and its pages get no permissions (camera, microphone, location).
Updates and license	Updates and license files are digitally signed, so only what we published is accepted.
Files and links	Size limits on uploads, rejection of maliciously compressed Word files, and protections when fetching sources from links.
No tracking	No analytics or ads; the app sends nothing about your usage.

Installation, administration and maintenance

- Start: double-click Baligh Beta.bat and a progress window shows 0 to 100%. The first start installs and builds the app (5 to 15 minutes); later starts take seconds. If it cannot start, a message shows the reason and where the start log is, to send it.
- Setup wizard: interface language, the right model for your computer, and the measurement models download.
- Automatic updates: a bar at the top when a new version is ready, then “Restart to update”. Your data and settings stay as they are.
- License: a free 48-hour trial, then activation with your license key. Works offline for up to 14 days, and moves to another computer from inside the app.
- Backup and restore: a password-encrypted file with your history, sources, style profile and settings. Restore by merging or replacing; replacing first saves a safety copy.
- Admin panel: app version and updates, providers and their keys, Ollama status (graphics card or processor), measurement models, language rules, backups and the paragraph memory.

- History: every run is saved on your computer, and any past result opens in full.
- Your computer doesn't sleep during long jobs.

Sections

The menu has five sections, each with tabs at the top of the page. Locked tabs ask for the admin password.

Section	Tabs
Rewrite (home)	Rewrite from the editor; a whole Word file with its formatting and the academic paper tools; compare models; history.
Writing	Academic (seven sections), professional, journalistic and simplified: from your sources and notes, every sentence checked against its source; My sources: sources for writing, comparison and citation, and the tables and charts extracted from your files.
Helper tools	Infographic, equations, APA tables, text elements and research figures.
Settings	My style; providers and admin (updates, backups and model status); license and subscription (never locked); the setup wizard.
Feedback and support	A suggestion, a problem, or help with activation and installation: a ready message to the Baligh team, with optional diagnostics that contain none of your texts.

Devices

- Windows 10 or 11, or Linux (64-bit). 16 GB of memory recommended (8 GB works with a small model), and about 10 GB of free space.
- Uses the graphics card when there is one, and runs on the processor alone more slowly.
- A window that adapts to its size: two columns side by side on wide screens, one column on narrow ones.
- Full support for both directions, and light and dark themes.

Technology

Layer	Technology
App	A desktop app (Electron) with an internal local server that the network cannot see.
Interface	Next.js, React and TypeScript, with the TipTap rich editor.
Data	A fully encrypted SQLite database on your computer.
Local models	ONNX Runtime for the measurement models, and Ollama for language models.
Word files	Reads and writes the document directly, including tracked changes.
AI	One layer for Ollama, Anthropic, Google and any OpenAI-compatible service.

Important notes

- Baligh helps you write better in your own voice; it is not for hiding where a text came from. Its measurements are estimates to help you edit and do not predict any outside tool. Follow your institution's disclosure policy.
- The facts guard checks numbers, dates, codes, names, terms and negation/obligation markers, not the whole meaning. A warning is a prompt to review.
- Source comparison covers only the sources you add.
- A long document on a local model running on the processor can take a long time; the paragraph memory makes reprocessing almost instant.

Support

In the app: Menu → Feedback and support (choose “Support request”), or email support@baligh.app. Full tester guide: baligh.app/en/beta

Terms, privacy, refunds: baligh.app · © 2026 Baligh · Open-source licenses are included with the app.