

MC #104256 — Quran 19-TET Verification & u?enje Claim Defensibility

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Status: ready-for-review evidence package, 2026-06-24.

Live site: <https://ucenje.alai.no>

Evidence root: `/Users/makinja/system/evidence/104256/`

Summary

MC #104256 corrected claim-defensibility issues on učenje.alai.no and the Quran 19-TET paper/supporting evidence. The final live site now avoids unsupported wording around:

- Surah 74:1-29 cumulative letter claim previously framed as `380 = 20 × 19 / 19×20`.
- Overbroad qira'at wording such as “all eight qira'at”.

The reproducible verification bundle confirms the load-bearing ALR Hafs/Warsh findings and documents limitations/overstatements clearly.

Key evidence paths

- Final closure summary: `/Users/makinja/system/evidence/104256/FINAL-CLOSURE-SUMMARY.md`
- Live browser verification: `/Users/makinja/system/evidence/104256/LIVE-DEPLOY-VERIFICATION/ucenje-live-claim-fix-verify.json`
- Live screenshots: `/Users/makinja/system/evidence/104256/LIVE-DEPLOY-VERIFICATION/screenshots/`

- Full verification bundle: `/Users/makinja/system/evidence/104256/INDEPENDENT-VERIFICATION/`
- Full run log: `/Users/makinja/system/evidence/104256/INDEPENDENT-VERIFICATION/run-all-20260624-170829.log`
- Manual Hebrew Torah log: `/Users/makinja/system/evidence/104256/INDEPENDENT-VERIFICATION/hebrew-torah-20260624-171112.log`
- Hebrew result file: `/Users/makinja/system/evidence/104256/INDEPENDENT-VERIFICATION/controls/RESULTS-hebrew-torah.md`
- Jahić review queue: `/Users/makinja/system/evidence/104256/bosnian-sentences-for-jahic.md`

Machine verification results

Reproducible bundle

Command:

```
cd /Users/makinja/system/evidence/104256/INDEPENDENT-VERIFICATION
bash data/fetch-external-corpora.sh
bash RUN-ALL.sh
python3 controls/hebrew-torah-alr.py
```

Results:

- RUN-ALL: **PASS 11 / FAIL 0 / SKIP 1.**
- RUN-ALL skip: Hebrew Torah is skipped by script design because it always requires Sefaria network calls.
- Manual Hebrew Torah: spread = **14**, verdict **POKLAPA**; C(24,5) percentile = **66.2738%**, verdict **POKLAPA**.

Live/browser verification

Script:

```
/Users/makinja/system/evidence/104256/LIVE-DEPLOY-VERIFICATION/ucenje-live-claim-fix-verify.js
```

Result JSON:

```
all_passed: true
```

Checked live pages:

- <https://ucenje.alai.no/>
- <https://ucenje.alai.no/19-explorer/>
- <https://ucenje.alai.no/mladi.html>

- <https://ucenje.alai.no/content/math-aha-bs.md>
- <https://ucenje.alai.no/content/math-aha-en.md>
- <https://ucenje.alai.no/content/math-aha-no.md>

Final browser result had:

- status 200 for all checked pages
- forbiddenHits = 0
- consoleErrors = 0
- failedRequests = 0

Forbidden live patterns checked absent:

- 380 =, 380 slova, 380 letters, 380 bokstaver
- 19×20, 20 × 19, 19 × 20
- svih osam ... qira, all eight ... qira, alle åtte ... qira

Deployment note

The standalone Cloudflare Pages project for the live domain is **ucenje**, not **alai-web**. The successful final deploy used a root-normalized artifact generated from `public/ucenje`, with `/ucenje/` links rewritten to `/`, then deployed to project `ucenje`. This fixed previous browser MIME failures caused by requests to `/ucenje/assets/...` on the standalone domain.

Independent review notes

- A first Company Mesh attempt was BLOCKED because the responder could not access files/live data.
- External delegated Proveo task MC #104312 timed out in the pipeline and was not counted as PASS evidence.
- A bounded Company Mesh evidence-sufficiency review with embedded evidence excerpts returned PASS:
 - Thread: `mesh-thr-f3f32632-b639-4dfc-a1a3-9e9501824541`
 - Message: `mesh-msg-ced6dbca-3ce1-4c46-b325-9795587a0c50`

Known limitation / follow-up

New or modified Bosnian sentences are queued for Jahić linguistic review. This is tracked in the evidence file and should be treated as a language-quality follow-up, not a blocker for the machine-verification evidence.

Independent review marker — Gemini + Redžo

Gemini: `APPROVE_WITH_NOTES` — report saved at `/Users/makinja/system/evidence/104256/GEMINI-REVIEW-REPORT.md`. Gemini concludes the work is mature and intellectually honest when it preserves the evidence hierarchy: ALR/19 Hafs+Warsh as the reproducible core; audio as educational/experiential sonification; Lejletul-kadr/lunar observations as correlation/research signal, not theological proof.

Redžo/local MLX: `APPROVE_WITH_NOTES` — report saved at `/Users/makinja/system/evidence/104256/REDZO-LOCAL-REVIEW.md`. Redžo agrees the work should pass review because unsupported claims were retired and the model is now anchored in algorithmic reproducibility, with strict guards against overclaiming.

Website marker added: the public učenje homepage now states the same review outcome and guardrails: ALR/19 = reproducible core; audio = educational sonification; Lejletul-kadr/lunar layer = correlation/research signal, not theological proof.

- Live website marker deployed to `https://ucenje.alai.no/` and verified by Playwright: `/Users/makinja/system/evidence/104256/LIVE-DEPLOY-VERIFICATION/ucenje-review-marker-verify.json` (`all_passed: true`).

Operational rule: future text must not promote audio or lunar observations into proof. If that happens, the review status no longer applies.

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