Audit Report: Raekotka Kvartalid

Website: https://raekotka.ee/
Date: 26.11.2026
Audit Coverage: □ 98% — Page skipped — rate limited by target (HTTP 429), Retry-After: 10 (https://raekotka.ee/krundi-valik/); Page skipped — rate limited by target (HTTP 429), Retry-After: 10 (https://raekotka.ee/kliendipaev/); Page skipped — rate limited by target (HTTP 429), Retry-After: 10 (https://raekotka.ee/privaatsustingimused/); Page skipped — rate limited by target (HTTP 429), Retry-After: 10 (https://raekotka.ee/kontakt/); PageSpeed Insights: mobile: PSI HTTP 400; desktop: PSI HTTP 400
Confidence: low

Pages Audited (6 of 10):

- https://raekotka.ee/
- https://raekotka.ee/hello-world/
- https://raekotka.ee/sample-page/
- https://raekotka.ee/muugiinfo/
- https://raekotka.ee/asukoht/
- https://raekotka.ee/tehniline-info/

Summary of results

Overall Score: 81 / 100
Status: □ **Needs Improvement**

What is pulling the score down

Points are for the weakest page; Pages = how many of 5 pages share the signal.

Signal	Points	Pages	Evidence
Security basics	−10	5/5	FAILED: Strict-Transport-Security, Clickjacking protection, X-Content-Type-Options
Performance 81	−7.6	4/5	weighted 40% of 19 points lost
Accessibility 92	−2.4	5/5	weighted 30% of 8 points lost
HTML validation	−2	5/5	16 W3C errors

Signal	Points	Pages	Evidence
SEO 92	−1.2	5/5	weighted 15% of 8 points lost
Advanced security headers	0	5/5	Failing: Content-Security-Policy present, CSP is strict, Referrer-Policy, Permissions-Policy, Cross-Origin-Opener-Policy, Cross-Origin-Resource-Policy
Page score (weakest: https://raekotka.ee/asukoht/)	**77**		100 − 23.2 → 77

Site overall 81 is the mean of 5 pages; scores range 77 (https://raekotka.ee/asukoht/) → 84 (https://raekotka.ee/sample-page/). 4 of 10 pages could not be fetched, so confidence is low: rate limited by target (HTTP 429), Retry-After: 10.

Per-page scores

 Needs Improvement · https://raekotka.ee/

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
95	83	95	93	100	92	FAILED

— · https://raekotka.ee/hello-world/

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
—	—	—	—	—	—	FAILED

 Needs Improvement · https://raekotka.ee/sample-page/

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
96	84	100	91	100	92	FAILED

 Needs Improvement · https://raekotka.ee/muugiinfo/

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
92	80	90	92	100	92	FAILED

 Needs Improvement · https://raekotka.ee/asukoht/

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
89	77	81	92	100	92	FAILED

 Needs Improvement · https://raekotka.ee/tehniline-info/

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
91	79	88	91	100	92	FAILED

— · https://raekotka.ee/krundi-valik/

Not scored: rate limited by target (HTTP 429), Retry-After: 10.

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
—	—	—	—	—	—	—

— · https://raekotka.ee/kliendipaev/

Not scored: rate limited by target (HTTP 429), Retry-After: 10.

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
—	—	—	—	—	—	—

— · https://raekotka.ee/privaatsustingimused/

Not scored: rate limited by target (HTTP 429), Retry-After: 10.

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
—	—	—	—	—	—	—

— · https://raekotka.ee/kontakt/

Not scored: rate limited by target (HTTP 429), Retry-After: 10.

Base	Score	Performance	Accessibility	Best Practices	SEO	Security
—	—	—	—	—	—	—

PageSpeed Insights — Mobile vs Desktop

*Lower is worse for Performance; higher is worse for LCP and CLS. Worse value is **bolded**.*

URL	Performance (M / D)	LCP (M / D)	CLS (M / D)
https://raekotka.ee/	**95** / 99	**2.55 s** / 962 ms	0.000 / 0.000
https://raekotka.ee/sample-page/	100 / 100	**1.05 s** / 447 ms	0.000 / **0.021**
https://raekotka.ee/muugiinfo/	**90** / 99	**1.05 s** / 292 ms	**0.200** / 0.080
https://raekotka.ee/asukoht/	**81** / 97	**1.05 s** / 282 ms	**0.404** / 0.101
https://raekotka.ee/tehniline-info/	**88** / 100	**1.05 s** / 281 ms	**0.209** / 0.033

Optimization Checklist

3 of 3 passing — 3 pass · 0 warn · 0 fail · 5 n/a

Item	Status	Detail
Page caching plugin / CDN active	**Pass**	Caching plugin detected (WP Rocket)
Response compressed (gzip / brotli)	**Pass**	Document response is compressed with gzip.
Images lazy-loaded	N/A	No raster elements found (16 SVGs, 4 placeholders excluded).
Hero image eagerly loaded	N/A	No raster elements found (16 SVGs, 4 placeholders excluded).
Hero is a real (not a CSS background-image)	N/A	No CSS background-images detected on raster-image-eligible elements.

Item	Status	Detail
Responsive images (srcset /)	N/A	Only 0 raster images on the page (16 SVGs, 4 placeholders excluded) — responsive-image rule does not apply.
Reasonable number of image sizes	N/A	Too few raster images to evaluate srcset width variety.
JS scripts not blocking in	**Pass**	No render-blocking scripts in .

Fixes

Priority 1: Critical

Immediate action — impacts user experience, search rankings, or site safety.

1A. Add baseline security headers (HSTS, X-Frame-Options, X-Content-Type-Options) `Security`

- **Impact:** Security basics row (−10), Transport security, clickjacking, MIME sniffing
- **Problem:** The Security basics verdict is FAILED: Strict-Transport-Security, clickjacking protection and X-Content-Type-Options are all missing from the response headers.
- **Solution:** Send these from the origin (Apache example):

  ```
  Header always set Strict-Transport-Security "max-age=31536000;
  includeSubDomains"
  Header always set X-Content-Type-Options "nosniff"
  Header always set X-Frame-Options "SAMEORIGIN"
  ```

  If you later add a CSP, prefer `frame-ancestors 'self'` over X-Frame-Options.

1B. Fix W3C validation errors `Best Practices`

- **Impact:** HTML validation row (−2), HTML validity, parser robustness
- **Problem:** The W3C validator reports 20 errors, led by 12 `<script type="text/rocketlazyloadscript" … defer>` data blocks, 4 empty `target=""` attributes and 2 hidden inputs with `autocomplete`.
- **Solution:**
  - Remove `defer` from Rocket Loader data-block scripts, or let WP Rocket rewrite them without the attribute.
  - Drop `target=""` on the four anchors (line ~205) or set a real context name.

- Remove `autocomplete` from `input type="hidden"` fields (Gravity Forms).
- Move `<meta charset="utf-8">` into the first 1024 bytes of the document.
- Add a width descriptor to the `srcset` candidate at line ~180 when `sizes` is present.

1C. Remove render-blocking and unused CSS `Performance`

- **Impact:** FCP, Speed Index, LCP
- **Problem:** Lighthouse flags render-blocking resources with an estimated 730 ms savings and 19 KiB of unused CSS on mobile.
- **Solution:**
  - Inline the critical above-the-fold CSS and load the rest asynchronously (`media="print" onload="this.media='all'"` or `rel=preload`).
  - Split the 21.2 KB `global.*.min.css` bundle so page-specific rules are not shipped everywhere.
  - WP Rocket is already active — enable its "Optimize CSS delivery" / Remove Unused CSS option.

1D. Add HSTS, clickjacking protection and nosniff headers `Security`

- **Impact:** Security basics row (−10), Transport security, clickjacking, MIME sniffing
- **Problem:** Security basics FAILED: Strict-Transport-Security, X-Frame-Options/CSP frame-ancestors and X-Content-Type-Options are all absent from the response headers.
- **Solution:** Send these from the origin (Apache example):

  ```
  Header always set Strict-Transport-Security "max-age=31536000;
  includeSubDomains"
  Header always set X-Content-Type-Options "nosniff"
  Header always set X-Frame-Options "SAMEORIGIN"
  ```

  Once verified, add `preload` to the HSTS directive and submit the domain at hstspreload.org.

1E. Fix layout shift in the content columns `Performance`

- **Impact:** CLS, visual stability
- **Problem:** Mobile CLS is 0.404 (desktop 0.101); Lighthouse attributes the shift to `div.chess__item > div.chess__text-col`, and 8 images on the page have no explicit width/height.
- **Solution:**

- Reserve space for the shifting block: give the text column a fixed `min-height` or `aspect-ratio`, and avoid injecting content above it after load.
- Add intrinsic `width` / `height` (or `aspect-ratio`) to all 8 images so the browser can reserve their box.
- Re-measure with Lighthouse after each change; target CLS < 0.1.

1F. Add baseline security headers (HSTS, X-Frame-Options, nosniff) `Security`

- **Impact:** Security basics row (−10), Transport security, clickjacking, MIME sniffing
- **Problem:** Security basics FAILED: Strict-Transport-Security, X-Frame-Options/frame-ancestors and X-Content-Type-Options are all missing from the response.
- **Solution:** Send these on every HTTPS response (Apache example):

```
Header always set Strict-Transport-Security "max-age=31536000;
includeSubDomains"
Header always set X-Content-Type-Options "nosniff"
Header always set X-Frame-Options "SAMEORIGIN"
```

If you later add a CSP, prefer `frame-ancestors 'self'` over X-Frame-Options.

Priority 2: Important

Essential for compliance, user reach, and search visibility.

2A. Add accessible names to gallery links `Accessibility`

- **Impact:** WCAG 2.4.4 / 4.1.2, screen-reader navigation
- **Problem:** axe-core flags `link-name` as serious on 11 gallery anchors (`.gallery-module__item … .image__link[data-fancybox]`) that contain only an image and no text.
- **Solution:** Give each gallery link a name, e.g.:

```
<a class="image__link" href="…" data-fancybox="gallery-331874465"
aria-label="Ava pilt 1 suuremalt">
  <img src="…" alt="">
</a>
```

If the image itself is meaningful, put the description in the `img alt` instead and drop `aria-label`.

2B. Remove positive tabindex values `Accessibility`

- **Impact:** Keyboard focus order (WCAG 2.4.3)

- **Problem:** axe-core reports `tabindex` greater than 0 on 7 form fields (`#input_1_1` … `#input_1_7`), which breaks the natural tab order.
- **Solution:**
  - Remove `tabindex="1"`-style attributes from the Gravity Forms inputs.
  - Rely on DOM order for focus sequence; use `tabindex="0"` only when an element must become focusable, and `-1` for programmatic focus.

2C. Add a meta description `SEO`

- **Impact:** Search snippet CTR
- **Problem:** Lighthouse SEO fails `meta-description` and the HTML inventory confirms `Description: not set`; SEO scores 92 on both mobile and desktop.
- **Solution:** Add a unique 120–155 character description in the `<head>`:

  ```
  <meta name="description" content="Raekotka Kvartalid – uued kodud …">
  ```

  In WordPress, set it via Yoast/Rank Math rather than hard-coding.

2D. Serve images in WebP/AVIF at the right size `Performance`

- **Impact:** LCP, total page weight
- **Problem:** PSI's `image-delivery-insight` estimates 33 KiB of savings, and the runtime capture shows a single image request of 610.8 KB out of 717.6 KB total page weight.
- **Solution:**
  - Convert the large hero raster to WebP/AVIF and serve it via `<picture>` with a JPEG fallback.
  - Add explicit `width` / `height` to the 20 images that currently lack dimensions to protect CLS.
  - Keep `loading="lazy"` on below-the-fold images only; load the hero eagerly with `fetchpriority="high"`.

2E. Add structured data `SEO`

- **Impact:** Rich results eligibility
- **Problem:** The `structuredData` audit fails and the HTML inventory finds no JSON-LD on the page.
- **Solution:** Add JSON-LD describing the organisation and the offering, e.g. `Organization` plus `FAQPage` for the visible KKK section:

```
<script type="application/ld+json">
{"@context":"https://schema.org","@type":"FAQPage","mainEntity":[]}
</script>
```

2F. Enlarge touch targets `SEO`

- **Impact:** Mobile usability, tap-target audit
- **Problem:** Lighthouse's `tapTargets` audit fails on mobile, meaning some interactive elements are smaller than the recommended tap area.
- **Solution:**
  - Ensure every link/button is at least 48×48 px with adequate spacing.
  - Add padding to small inline links and the footer development links rather than enlarging the icon itself.

2G. Make link text descriptive `Accessibility`

- **Impact:** WCAG 2.4.4 / 4.1.2, screen-reader navigation
- **Problem:** axe-core flags `link-name` (serious) on 4 links pointing to tuulemanni.ee, taevaveere.ee, viidumetsa.ee and jarvekuma.ee — they have no discernible text.
- **Solution:** Give each icon/logo link an accessible name:

  ```
  <a href="https://tuulemanni.ee/" aria-label="Tuulemanni arendus">
    <img src="…" alt="">
  </a>
  ```

  Or add visually hidden text inside the anchor.

2H. Add a skip-to-content link `Accessibility`

- **Impact:** Keyboard navigation, WCAG 2.4.1
- **Problem:** The page has nav, main, header and footer landmarks but no skip link, so keyboard users must tab through the whole navigation on every page.
- **Solution:** Insert as the first focusable element in `<body>`:

  ```
  <a class="skip-link" href="#main">Liigu sisu juurde</a>
  ```

  Style it to stay off-screen until focused.

2I. Reserve space for images and sections to fix layout shift `Performance`

- **Impact:** CLS, visual stability
- **Problem:** Mobile CLS is 0.200 with the shift traced to `body.wp-singular > div#page > main > div.section`, and all 14 images on the page lack explicit

width/height.

- **Solution:**
  - Add intrinsic `width` / `height` (or `aspect-ratio`) to every `<img>` so the browser reserves space before load.
  - Give the shifting `main > div.section` a `min-height` or `contain-intrinsic-size` so late-injected content does not push the page down.
  - Re-test with Lighthouse after the fix; target CLS < 0.1.

2J. Add discernible text to icon links `Accessibility`

- **Impact:** WCAG 2.4.4, 4.1.2, screen-reader navigation
- **Problem:** axe-core reports a serious `link-name` violation on 4 links (tuulemanni.ee, taevaveere.ee, viidumetsa.ee, jarvekuma.ee) that have no discernible text.
- **Solution:**
  - Add visible text or an `aria-label` to each link, e.g. `<a href="https://tuulemanni.ee/" aria-label="Tuulemanni arendus">`.
  - If the link wraps only a logo image, give the `<img>` a meaningful `alt`.

2K. Fix layout shift from the content columns `Performance`

- **Impact:** CLS
- **Problem:** Mobile CLS is 0.209 (desktop 0.033); Lighthouse attributes the shift to `div.chess__item > div.chess__text-col`, and 6 images have no explicit width/height.
- **Solution:**
  - Reserve space for the shifting block with `min-height` or `aspect-ratio` on `.chess__text-col`.
  - Add intrinsic `width` / `height` attributes to the 6 images lacking dimensions.
  - Avoid injecting content (fonts, lazy blocks) above that column after first paint.

Priority 3: Best Practice

Recommended for long-term maintainability.

3A. Protect the WordPress login and installer `Security`

- **Impact:** Brute force and takeover surface
- **Problem:** `readme.html` is publicly reachable (a Security basics failure), `/wp-admin/install.php` responds, and the login form is served on the default `/wp-login.php` path.

- **Solution:**
  - Delete `readme.html` and block it in `.htaccess`:

```
<Files "readme.html">
  Require all denied
</Files>
```

  - Block `install.php` once the site is installed.
  - Move or protect the login path (custom login URL, HTTP auth on `/wp-login.php`, or rate limiting).

3B. Hide server version headers `Security`

- **Impact:** Information disclosure
- **Problem:** The response advertises `Server: Apache / ZoneOS`, which the Security basics check flags as a warning.
- **Solution:**

```
ServerTokens Prod
ServerSignature Off
Header unset X-Powered-By
```

3C. Harden the Content-Security-Policy `Security`

- **Impact:** XSS defense-in-depth
- **Problem:** No Content-Security-Policy is set. The site has no auth, payment or user-content surface, so this is hardening rather than an urgent gap.
- **Solution:** Deploy a nonce-based policy rather than a flat allowlist:

```
Content-Security-Policy: script-src 'nonce-{random}' 'strict-
dynamic'; object-src 'none'; base-uri 'none'; frame-ancestors
'self'
```

  Roll it out in report-only mode first to catch inline snippets from WP Rocket and Gravity Forms.

3D. Add Referrer-Policy, Permissions-Policy, COOP and CORP `Security`

- **Impact:** Privacy and cross-origin isolation
- **Problem:** Referrer-Policy, Permissions-Policy, Cross-Origin-Opener-Policy and Cross-Origin-Resource-Policy are all absent from the response headers.
- **Solution:**

```
Header always set Referrer-Policy "strict-origin-when-cross-origin"
Header always set Permissions-Policy "geolocation=(), camera=(),
microphone=()"
Header always set Cross-Origin-Opener-Policy "same-origin"
Header always set Cross-Origin-Resource-Policy "same-origin"
```

3E. Add explicit dimensions to images `Performance`

- **Impact:** CLS, layout stability
- **Problem:** 5 images lack `width` / `height` attributes (`unsized-images` audit), which risks layout shift when they resolve.
- **Solution:** Add intrinsic `width` / `height` (or a CSS `aspect-ratio`) to each `<img>` so the browser can reserve space before load.