



A 2D Augmented Reality Mobile Book of Florante and Laura



USER MANUAL





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ABOUT

HIYAS is an educational application designed to enhance the learning experience of Grade 8 students studying Florante and Laura. This 2D augmented reality (AR) mobile book integrates interactive AR visuals, chapter summaries, character profiles, and assessments to provide an engaging and immersive learning experience. HIYAS is aligned with the Grade 8 Filipino curriculum and serves as a supplementary tool to deepen comprehension and retention.

SYSTEM REQUIREMENTS

To ensure a smooth experience, your device must meet the following requirements.

Android:

- Operating System: Android 8.0 or higher
- Processor: 2.0 GHz Quad-core or higher
- RAM: 3 GB or higher
- Storage: 600 MB of free space
- Camera: Required for AR scanning functionality



INSTALLATION

1. Download the APK file from the developers' site or any other trusted source.
2. On your device, navigate to Settings > Security, and enable Install from Unknown Sources
3. Locate the downloaded APK file and tap it to begin the installation.
4. Follow the on-screen prompts to complete the installation.
5. After installation, find the HIYAS app icon on your home screen and tap to launch the application.



You may use this QR code to download the HIYAS application





STARTING THE APP...



After installation, tapping on the app icon on your Android phone will open the game.

Main Menu (Home)

This serves as the central hub for all the app's feature, offering easy navigation to start.



Story

By scanning the assigned image, users activate the AR content, including animated 2D characters and 3D-rendered environments.

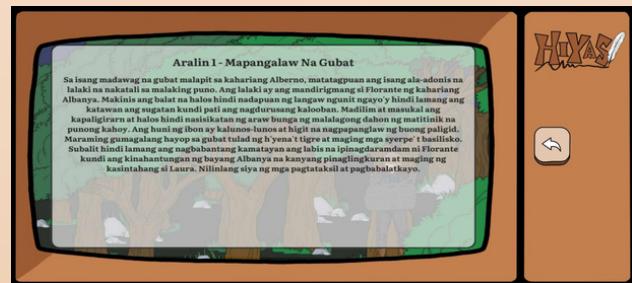




STARTING THE APP...

Summaries

Provides outlines of the each chapter from Florante at Laura. These summaries are organized for easy access, allowing users to review key points of the story.



Character Profile

Contains description of the main characters in the story. Each profile includes name, role, and significance in the narrative, along with an illustration.





STARTING THE APP...

Scores

Before and after the story, there will be an assessment to test the prior and learnings of the user. Scores will be displayed to for the students to see if there are any needs for improvements for the chapter.



Scoreboard

The feature records all assessments scores that the user achieved throughout the story. The latest scores will be displayed for the user's convenience.





HOW TO USE?

Guide

Select the chapter of the story you want, read the chapter summary and answer the short assessments, wait for your score. Then you can scan the assigned image for that chapter to begin the story.

Select a Chapter

MGA ARALIN

- 1
- 2
- 3
- 4
- 5

HIYAS

Home Back Forward

Read the Summary

Aralin 4 - Ang Gererong Bayani

Ang gererong moro ay wiling iba kundi kundi si Aladin na iwan ang awingawpal sa pag-ibig. Sa kanyang pagmumuni ay may mariniw na ibang tulog na namanagbo. Hinanap niya ang pinagmulan ng tinig at kanyang natagpuan sa isang nakatall sa puno ang mandirigmangsi Florante. Narinig ng moro ang lahat ng daing ni Florante. Nalaman niya ang ginawang pagtatakeel ni Konde Adolfo at sinabagay ang kanyang pagtatakeel. Ang bayang pinagmulan nitoy'y pinagtakilan ng isang konde at inigaw ang kasintahan samantala siya ay biktima ng pag-ilmbot ng sariling amang umagaw ng kanyang tangting kalyugahan. Muli niyang narinig ang mga panagbaya ni Florante na sinusambit na ang parangal niya. Nagpagsalain na ang balikang tunasanang Nagpatao si Aladin ng makitang may dalawang leon na nabi sumila sa itaklong natagpuan sa malaking puno.

HIYAS

Home Back Forward

Answer the Quiz

Paunang Pagtataya
Aralin 4 - Ang Gererong Bayani

Puntos: 0 05:00 ~10 segundo

Ano ang narinig ni Aladin na umantig sa kanyang damdamin sa gubat?

Mga panagbaya ni Florante Awit ng mga Ibon Sigeaw ng mga sundalo

HIYAS

Home Back Forward

See the Score

Kabuuang Puntos: 3/10

Mahusay! Natapos mo ang paunang pagtataya!

HIYAS

Home Back Forward

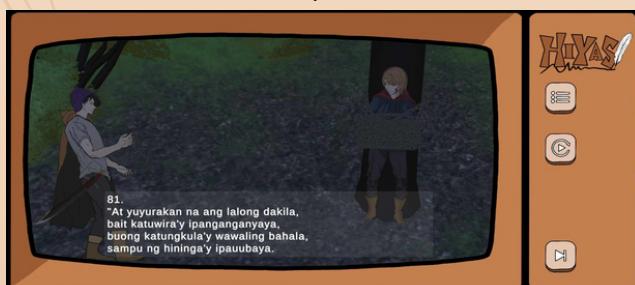


HOW TO USE?

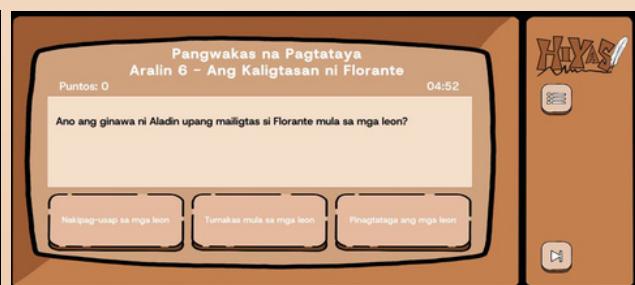
Guide

During the story, tap the screen to move the dialogue on the screen. At the end of the chapter, there will be another assessment before you can proceed to the next chapter.

Watch the Story



Answer the Quiz



See the Score



Review the Results

MGA ISKOR		
Mga Aralin	Paunang Pagtataya	Pangwakas na Pagtataya
Aralin 4	3/10	9/10
Aralin 5	n/a	n/a
Aralin 6	n/a	n/a



TIPS ON USING THE HİYAS

Scanning

Scan the assigned image at the **correct angle** and **ensure a stable position for the AR to function properly**. Once the AR environment appears, click the “Simulan ang Kwento” button to start the story.



Every chapter uses different image to scan. So make sure to use the proper image.

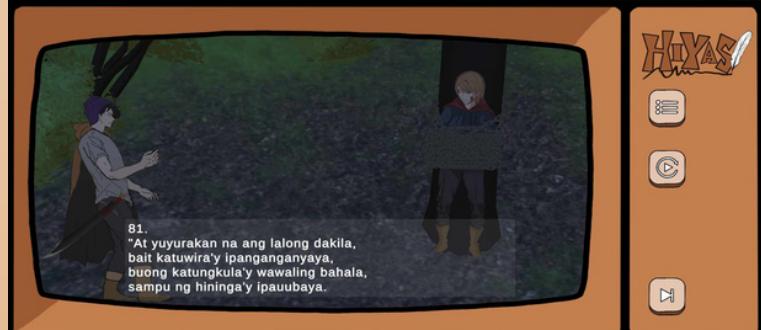


Replay and Skip

There are **Replay** and **Skip** button that you can use to restart the current chapter or to move forward to the next chapter.



Take your time and enjoy the immersive AR story at your own pace!





AR MARKERS

These images are used to activate the AR feature of the Hiyas app. Capture these using your camera and it will automatically display the AR environment for the selected chapter.



Aralin 1:
Mapanglaw na Gubat



Aralin 2:
Laura, Bakit ka nagtaksil?



Aralin 3:
Pag-ibig na Makapangyarihan



Aralin 4:
Ang Gererong Bayani



AR MARKERS

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Aralin 5:
Paalam, Bayan ng Albanya



Aralin 6:
Ang Kaligtasan ni Florante



Aralin 7:
Ang Kristiyano at ang Muslim



Aralin 8:
Ang Alaala ng Kamusmusan



AR MARKERS

These images are used to activate the AR feature of the HIYAS app. Capture these using your camera and it will automatically display the AR environment for the selected chapter.



Aralin 9:
Ang Pag-aaral sa Atenas



Aralin 10:
Ang Pagbabalatkayo



Aralin 11:
Ang Dula-dulaan



Aralin 12:
Ang Pangungulila ni Florante



AR MARKERS

These images are used to activate the AR feature of the Hiyas app. Capture these using your camera and it will automatically display the AR environment for the selected chapter.



Aralin 13:
Ang Tagubilin ng Guro



Aralin 14:
Ang Pinakamamahal na Bayan ng
Albanya



Aralin 15:
Pag-ibig sa Unang Pagkikita



Aralin 16:
Ang Pangako ng Puso



AR MARKERS

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Aralin 17:
Ang Magiting na Mandirigma



Aralin 18:
Ang Bayaning Iniiibig



Aralin 19:
Ang Manibughong Puso ni Adolfo



Aralin 20:
Ang Pananalakay ng mga Moro



AR MARKERS

These images are used to activate the AR feature of the Hiyas app. Capture these using your camera and it will automatically display the AR environment for the selected chapter.



Aralin 21:
Ang Muling Pakikidigma ni Florante



Aralin 22:
Ang Tagumpay ng Kataksilan



Aralin 23:
Ang Sawimpalad na Moro



Aralin 24:
Ang Tinig sa Gubat



AR MARKERS

These images are used to activate the AR feature of the Hiyas app. Capture these using your camera and it will automatically display the AR environment for the selected chapter.



Aralin 25:
Tapat na Pagsuyo



Aralin 26:
Sanga-sangang Landas ng Puso



Aralin 27:
Ang Pagpapalaya ng Albanya



Aralin 28:
Ang Wakas ni Adolfo



AR MARKERS

These images are used to activate the AR feature of the HIYAS app. Capture these using your camera and it will automatically display the AR environment for the selected chapter.



Aralin 29:
Ang Hari at Reyna



TROUBLESHOOTING...

In order for you to use the app smoothly, make sure that your device meets the system requirements.

The following list are the possible inconvenience inside the game, find what matches your encountered problem:

AR feature does not activate after scanning

Ensure the camera has proper permission and the assigned image is well-lit and unobstructed.

AR crashes during use

Re-scan the assigned image and carefully move your device around. Do not shake or move your device roughly after scanning to not interrupt the loading of the AR.

Installation Issues

Make sure you have sufficient storage and have enabled the “Install from Unknown Sources” option in your device’s settings.



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Scan this to read the
Research Paper of HIYAS



CREDITS

App Assets:

Unity

<https://unity.com/>

B.G.M

<https://www.youtube.com/@audiowind>

<https://www.youtube.com/@rightsfreesound1021>

SFX

[https://docs.google.com/document/d/1yK9VgCKIBCel-BczERhgGvTJFpQsEK1D/edit?
usp=sharing&ouid=105917411028693978744&rtpof=true&sd=true](https://docs.google.com/document/d/1yK9VgCKIBCel-BczERhgGvTJFpQsEK1D/edit?usp=sharing&ouid=105917411028693978744&rtpof=true&sd=true)



A 2D Augmented Reality Mobile Book of
Florante and Laura



Get In Touch



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