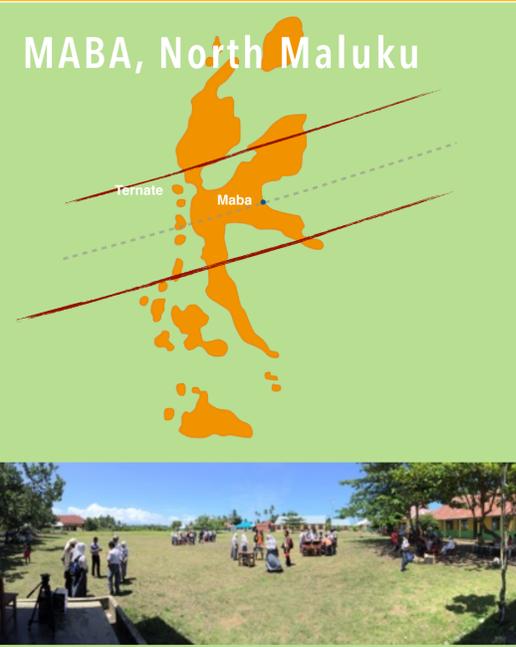


CHASING THE SHADOWS: A TRIP TO SPICE ISLAND

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PLAN	PLACE	TOOLS	EXECUTION	EVALUATION
<p>Public Education & Observation of TSE mainly for high school students and teachers. Have highest probability to share information with parents, friends and siblings.</p> <p>Purpose: to introduce safe observation techniques with tools from available materials.</p>	<ul style="list-style-type: none"> SMKN 1 Maba, East Halmahera Large school with large field for viewing Eastern most remote village at TSE central line. Longest totality time. Sun to be high above horizon at TSE Best predicted weather (at time of departure) 	<ul style="list-style-type: none"> Kacamatahari Pinhole box (DIY) You Are Galileo Telescope + filter Solar Scope Streaming tools with raspberry pi (DIY) 	<p>▶ In the class:</p> <ul style="list-style-type: none"> Eclipse theory Eclipse safety Basic telescope Basic pinhole theory Pinhole box making <p>▶ TSE Observation</p>	<ul style="list-style-type: none"> Lesson Learned Mission accomplished Acknowledgements



Kaca Matahari / Eclipse Viewer

- Eye safety during TSE
- Unique Indonesian design to introduce our unique culture to the tourists



You Are Galileo Telescope + Filter

- Eye safety
- Basic telescope introduction



Streaming Tools

- Broadcasting isn't expensive
- People can built their own streaming device



DIY: Pinhole Box

- Safeway to view the Sun
- Easy to build
- Easy to find material, especially in an area without access to telescope & filter
- Simple Optics introduction

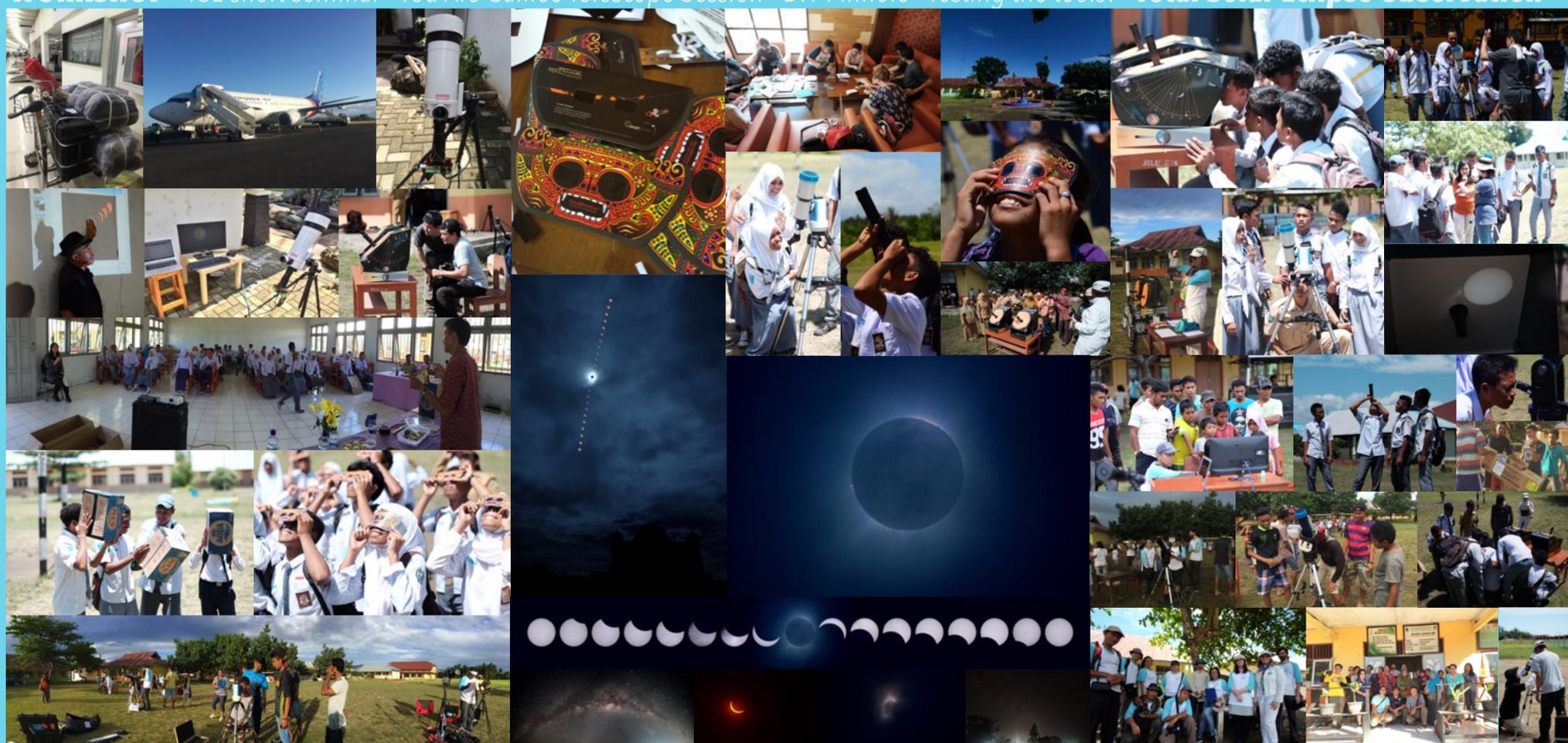


Solar Scope

- Safeway to view the Sun
- Using the idea of pinhole & small telescope.
- larger field of view
- easy to use

WORKSHOP - TSE short seminar - You Are Galileo Telescope Session - DIY Pinhole - Testing the tools! - Total Solar Eclipse Observation

ACTIVITIES



LESSON LEARNED

- Education gap become the need & challenge to adjust the standard of teaching material to fulfill teachers & students understanding.
- Distance constraints when covering schools in larger area will effect schedule and logistics.
- Start the day with a combination of observation & shorter indoor sessions.
- As much as possible send workshop material (basic science) ahead of time or available on the LS website so students can absorb and have questions ready.
- Internet access is a necessity, however at remote sites might become expensive

Mission Accomplished

- The workshop session was successful. Many students and teachers became even more curious about astronomy.
- Despite rain on TSE-day, a large number of students and teachers showed up and took part in the observations.
- Despite hiccups, the combined efforts of various government departments helped to make the TSE very doable and accomodating.
- Large coverage of LS activities by National Media
- Similar workshop were conducted in Ambon and Padang in collaboration with Amboina Astronomy Club & sekolahalam Minangkabau under supervision of LS



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- SMKN 1 Maba as our partner for TSE Workshop & Observation Site
- ITB '85 for Kaca Matahari / the Eclipse Viewer
- Kak Andi Yudha Asfandiyar for designing Kaca Matahari
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