

IRF Programs – Quarter Report July to September 2016

Sumatran Rhino Sanctuary YABI - Way Kambas National Park, Indonesia

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BADAK SUMATERA - SUMATRAN RHINO (*Dicerorhinus sumatrensis*)

SRS Program Results July to September 2016:

- 1. Rhino Health** – All Rhinos are in good condition, no major problem occurred.
- 2. Reproduction Program**
 - a. Full breeding process between Andalas and Rosa still did not resulting to pregnancy
 - b. Breeding between Andalas and Bina did not success yet.
- 3. General Rhino Care**
 - a. Delilah still on Ratu's care, Delilah development are recorded.
 - b. Dr. Zulfi Arsan managed to collect blood from Delilah from month of July 2016.

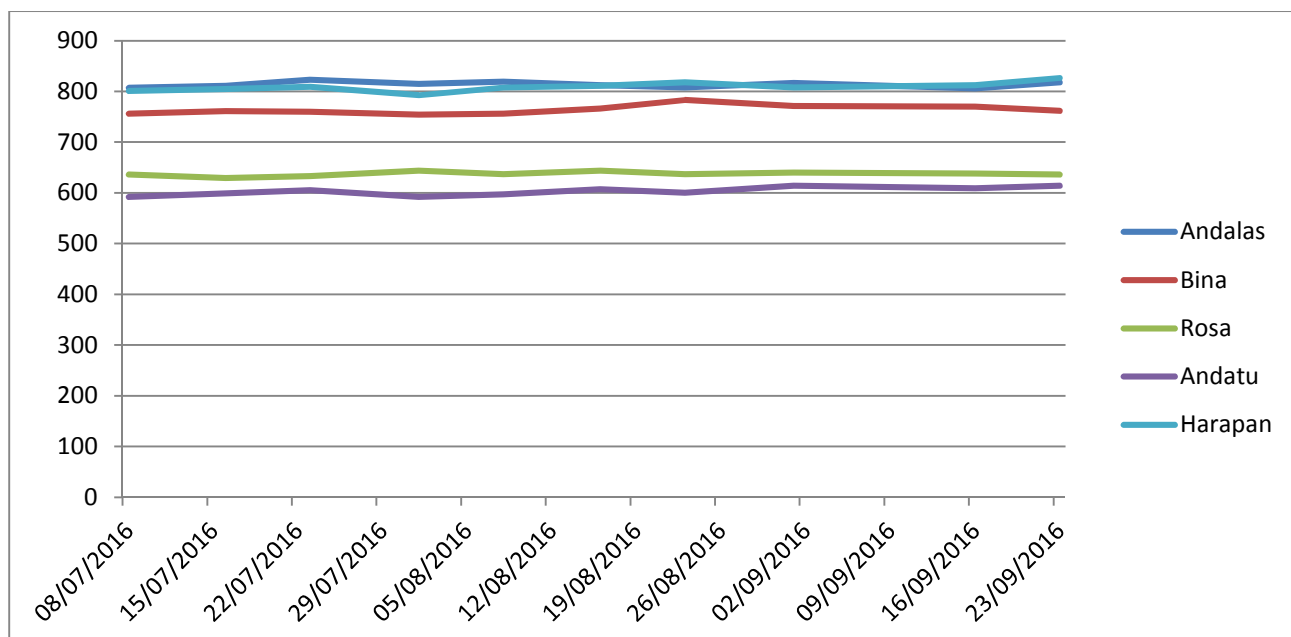


Table. All Rhino Weight on July - September 2016. All rhinos shows stabile body weight

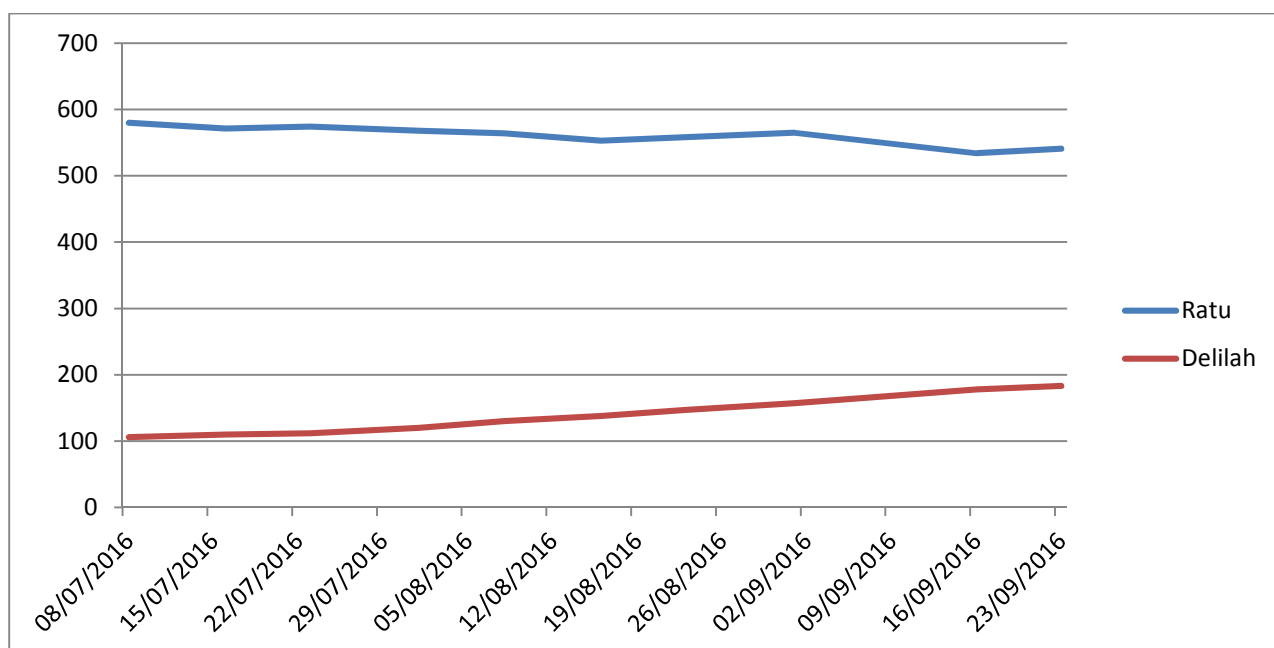


Table. Ratu's and Delilah's weight on July – September 2016. Ratu's Body weight decreasing after parturition to her normal bodyweight around 550 kg, Delilah weighth is increasing.

Rhino Health Update.

Regular health monitoring, daily physical check, monthly blood check and weekly fecal check were conducted. Their body temperature is ranged from 36.6° C – 37.2° C. There are no major health problem during July to September 2016.

Specific Rhino Update

Andalas (Male, 15 Years Old)



Picture. Andalas in his enclosure

Andalas is turned 15 years old in September 2016. He is in good condition, and body temperature is ranged between 36.6 – 37.1 °C. His activity such wallowing, browsing and walking are normal. His bodyweight is around 800 – 815 kilograms.

Bina (Female, 33 Years Old)

Bina activity and health are normal in this period. Her body temperature ranged from 36,7 to 37,1 °C. She has eye hyper-sensitivity to sunlight exposure and it's happened oftenly when she spend a lot of time under sunlight and it will be cured with treatment with ZnSo4 spray on affected eye. Her body weight is around 760 kg.



Picture. Bina enjoying her fruits in her enclosure.

Rosa (Female, 15 Years Old)

Rosa's condition is good and her daily activities also show normal behavior. She spend 3 – 4 hours during daylight to wallow, and usually she spend longer time breeding activities with Andalas. She also exploring and browses actively in her enclosure. He bodyweight is ranged around 630 – 640 kilograms, her blood results shows normal range and body temperature ranged from 36,5-37,0°C.



Picture. Rosa in her enclosure

Andatu (Male, 4 Years)



Picture. Andatu with keeper Mr. Sarno in his enclosure

Andatu did not has problem in this period. He also shows good behaviour and activities of wallowing, browsing and exploring his enclosure. He spent 2-3 hours during day light to wallow every day. In this period he shows physical character that his penis can be fully protrude but no erection observed. His blood result shows no problem, and his body temperature ranged from 36,6-37,1°C

Harapan (Male, 9 years old)

Harapan has no problem in this period. He still maintaining his body weight at 800 kilograms. He shows good behaviour and activity in the forest, exploring his enclosure actively. He also browsing in his enclosure, but did not spent much time on it, and his wallowing time is about 1-2 hours during day light. Blood result shows normal range. His body temperature is ranged from 36,6-37,0°C. Harapan also observed doing urine spray oftenly.



Picture. Harapan doing urine spray in his enclosure

Ratu (Female, 15 Years old) and Delilah (Female, 4 months old)



Picture. Ratu and Delilah in July (above), August (middle) and September 2016 (bottom)

Ratu has no major health problem in this period. She has lameness on her right hind leg. Treatment with diclofenac topical was applied and she is cured. She still being confined in her large boma with Delilah. They both still under intensive observation for 24 hours. Ratu observed oftenly sleep on the ground, and wallowing for only 1-2 hours. She also abserved to playing with Delilah, and also walking around her boma. Ratu also now observed to adjusting her body weight to her normal weight before parturition. Her temperature is ranged from 36,8-37,0°C

Delilah observed to have normal development. Her body weight increasing normally and reaching 183 kilograms at the end of September 2016. Her appetite also normal, and she already eats browse normally. Her body temperature ranged from 37,0-37,5°C. Since July 2016, Dr. Zulfi Arsan managed to collect blood from Delilah safely from ear vein.



Picture. Dr. Zulfi Arsan collecting blood from Delilah with keeper Mr. Lamijo (Gocek)

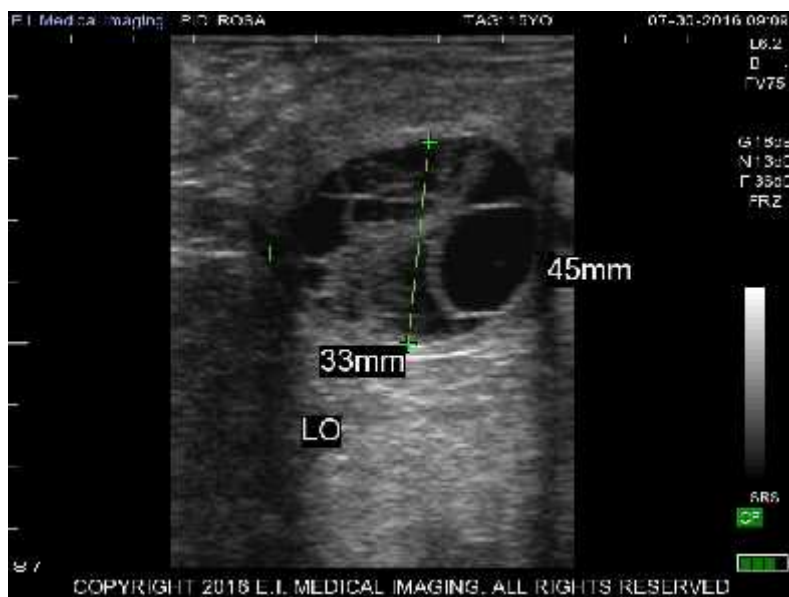


Picture. Delilah on September 2016

Reproduction Program

Rosa

In this period Rosa has three succesfull copulation with Andalas, but all are not resulting with follicle ovulation and pregnancy. On 24th of July 2016 copulation happened for 24 minutes, on 17th of August 2016 for 55 minutes, and on 10th of September 2016 for 34 minutes but her follicle did not ovulated. All follicle developed into a large follicle.



Picture. Large follicle on Rosa's Left Ovary



Picture. Anadala and Rosa on July 2016



Picture. Andalus and Rosa on August 2016

Bina

Bina introduced to Andalus on 31st of July and 1st of August 2016. But the respond was not good and they were not put together and separated, avoiding further aggressivity.



Picture. Bina follicle on 31st of July 2016