



**Technical Guidance Schedule**  
**Regional Technical Guidance on Application of Next Generation Sequencing (NGS) Data and Artificial Intelligence (AI) In Agriculture**  
 SEAMEO BIOTROP, Bogor, Indonesia, 7<sup>th</sup> – 9<sup>th</sup> and 14<sup>th</sup> June 2021

Day/Date/Time (Western Indonesia Time - UTC/GMT +7 hours)	Program	Resource Person/Moderator/PIC
<b>Monday/June 7, 2021</b>		
09.00 – 09.30	Opening Ceremony <ul style="list-style-type: none"> <li>• Indonesia National Anthem</li> <li>• SEAMEO COLOR</li> <li>• SEAMEO SONG</li> <li>• Report by the Course Leader of the Training Course</li> <li>• Welcome Address and Official Opening by the Director</li> <li>• Group photo</li> </ul>	The committee  Dr. Ulfah J. Siregar  Dr. Zulhamsyah Imran
09.30 – 10.00	Pre-test and overview	The committee
10.00 – 12.00	<b>Lecture</b> Overview on NGS Data Analysis	Dr. Kazuo Ishii (2 hours) Fifi Gus Dwiyantri Ph.D (Resource person & moderator)
	Lunch break	
13.00 - 16.00	<b>Lecture and Practical works</b> <ul style="list-style-type: none"> <li>• Practical work on NGS data analysis</li> </ul>	Dr. Kazuo Ishii (3 hours) Dr. Ulfah J. Siregar (Resource person & moderator)
<b>Tuesday/June 8, 2021</b>		
08.00 - 10.00	<b>Lecture</b> Introduction of Linux Programming on Linux	Dr. Rahadian Pratama Dr. Ulfah J. Siregar (Resource person & moderator)
10.00 - 12.00	<b>Lecture</b> <ul style="list-style-type: none"> <li>• Overview on GWAS and re-sequencing</li> </ul>	Dr. Kazuo Ishii (2 hours) Dr. Ulfah J. Siregar (Resource person & moderator)
	Lunch break	
13.00 - 16.00	<b>Lecture and practical works</b> <ul style="list-style-type: none"> <li>• Designing a GWAS experimental research</li> </ul>	Dr. Kazuo Ishii (3 hours) Dr. Ulfah J. Siregar (Resource person & moderator)

<b>Wednesday/June 9, 2021</b>		
09.00 - 11.00	<b>Lecture</b> <ul style="list-style-type: none"> <li>● Overview on RNA-Seq and Transcriptomic</li> </ul>	Dr. Kazuo Ishii (2 hours) Dr. Fitri Indriani (Resource person moderator)
	Lunch break	
13.00 – 15.00	<b>Lecture and practical works</b> <ul style="list-style-type: none"> <li>● Practical work on Transcriptomic data analysis</li> </ul>	Dr. Kazuo Ishii (2 hours) Dr. Fitri Indriani (Resource person moderator)
<b>Monday, June 14, 2021</b>		
09.00 - 11.00	<b>Lecture</b> <ul style="list-style-type: none"> <li>● Overview on AI and machine learning in agriculture</li> </ul>	Dr. Kazuo Ishii (2 hours) Dr. Deden (Resource person & moderator)
	Lunch break	
13.00 - 14.00	<b>Workshop/discussions</b> <ul style="list-style-type: none"> <li>● Developing a proposal on AI and machine learning in agriculture</li> </ul>	Dr. Kazuo Ishii (1 hours) Dr. Deden (Resource person & moderator)
14.00 – 14.30	Post-test	The Committee
14.30 – 15.30	Closing Ceremony Closing report by the Course Leader of the Training Course Closing remarks by the Director	The Committee Dr. Ulfah J. Siregar  Dr. Zulhamsyah Imran