



2019 6th ICITACEE

#29 (1570579254): LC-MS Analysis: Mini Review Frequently Used Open Source Softwares

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Authors		<table><tr><th>Name</th><th>ID</th><th>Edit</th><th>Flag</th><th>Affiliation (edit for paper)</th><th>Email</th><th>Country</th></tr><tr><td>Iwan Binanto</td><td>480797</td><td></td><td></td><td>Sanata Dharma University, Indonesia</td><td>iwan@usd.ac.id</td><td>Indonesia</td></tr><tr><td>Bahtiar Saleh Abbas</td><td>1423373</td><td></td><td></td><td>Bina Nusantara University, Indonesia</td><td>bahtiars@binus.edu</td><td>Indonesia</td></tr><tr><td>Harco Leslie Hendric Spits Warnars</td><td>876293</td><td></td><td></td><td>Bina Nusantara University & Doctor of Computer Science, Indonesia</td><td>shendric@binus.edu</td><td>Indonesia</td></tr><tr><td>Nesti Sianipar</td><td>1294019</td><td></td><td></td><td>Bina Nusantara University, Indonesia</td><td>nsianipar@binus.edu</td><td>Indonesia</td></tr></table>	Name	ID	Edit	Flag	Affiliation (edit for paper)	Email	Country	Iwan Binanto	480797			Sanata Dharma University, Indonesia	iwan@usd.ac.id	Indonesia	Bahtiar Saleh Abbas	1423373			Bina Nusantara University, Indonesia	bahtiars@binus.edu	Indonesia	Harco Leslie Hendric Spits Warnars	876293			Bina Nusantara University & Doctor of Computer Science, Indonesia	shendric@binus.edu	Indonesia	Nesti Sianipar	1294019			Bina Nusantara University, Indonesia	nsianipar@binus.edu	Indonesia
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Title	Only the chairs (20196thicitacee-chairs@edas.info) can edit	LC-MS Analysis: Mini Review Frequently Used Open Source Softwares																																			
Abstract	Only the chairs (20196thicitacee-chairs@edas.info) can edit	This paper provides information about open source softwares that most often used as a tool to analyze data generated from the Liquid chromatography-mass spectrometer (LC-MS) instrument and including a little discussion about how LC-MS works. LC-MS consists of Liquid Chromatography and Mass Spectrometer analytical instruments. This device extensively used in Metabolomics, because it provides more comprehensive information about the metabolites. It also shows the breadth of the diversity of chemical compounds in metabolites that make difficult and time-consuming to identification of metabolite's structures. This is an obstacle in efficient and accurate identification. So, many open source softwares developed to simplify and speed up the analysis and interpretation of LC-MS result. There are popular open source softwares. We compiling mini review of this open source softwares. The conclusion is open source softwares quite helpful in terms of data analysis and interpretation of compounds contained, but no one has provided a single interpretation, still need experts for reliable interpretation.																																			
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Presenter(s)		Iwan Binanto (bio)																																			
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