BAB V
PENUTUP

5.1 Kesimpulan

Ekstrak biji juwet mampu melindungi kerusakan sel setelah adanya paparan sinar UV pada dosis 0,5%. Ekspresi ɣ-H2AX akibat paparan sinar UV pada kultur sel TIG-3 dapat dicegah dengan pemberian dosis ekstrak pada dosis 0,1% dan 0,5%. Terhambatnya ekspresi ɣ-H2AX pada kultur sel menyebabkan sel dapat melanjutkan siklus sel dan viabilitasnya terjaga.

5.2 Saran

Perlu dilakukan pengujian terhadap parameter lain untuk mendukung data yang diperoleh pada penelitian ini, antara lain ekpresi Nrf-2, protein p21, juga kemampuan sel fibroblas TIG-3 dalam memproduksi jaringan kolagen setelah perlakuan dengan sinar UV serta ekstrak biji juwet. Selain itu perlu dilakukan eksplorasi fungsi yang sama pada bagian tubuh tumbuhan juwet lainnya.

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LAMPIRAN

1. **Absorbansi MTT Assay sel TIG-3 setelah paparan sinar UV dan perlakuan ekstrak biji juwet**

Nilai Absorbansi

Dosis	Perlakuan UV	
	UV	non UV
0	1142	1294
0,01	762	841
0,05	864	969
0,1	947	1255
0,5	1338	1698

Persen per kontrol

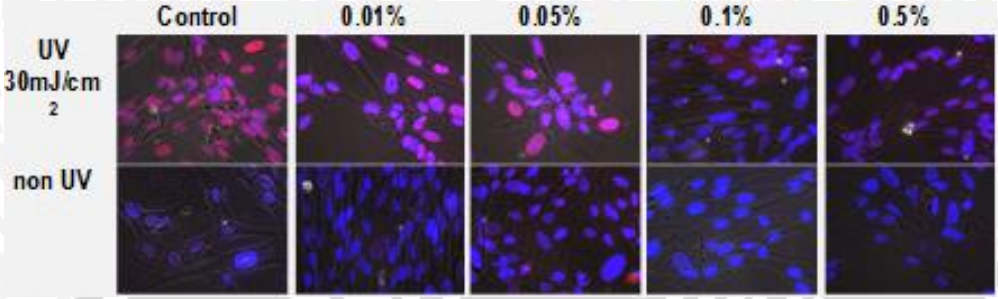
Dosis	Perlakuan UV	
	UV	non UV
0	88	100
0,01	59	65
0,05	67	75
0,1	73	97
0,5	103	131

Nilai Absorbansi per perlakuan pada cawan kultur

Treatment	Dosage	Day	Absorbance	
UV	0	1	1122	0,1122
UV	0	1	1120	0,1120
UV	0	1	1167	0,1167
UV	0	1	1157	0,1157
UV	0,01	1	742	0,0742
UV	0,01	1	768	0,0768
UV	0,01	1	772	0,0772
UV	0,01	1	766	0,0766
UV	0,05	1	876	0,0876
UV	0,05	1	825	0,0825
UV	0,05	1	880	0,0880
UV	0,1	1	933	0,0933

UV	0,1	1	938	0,0938
UV	0,1	1	952	0,0952
UV	0,1	1	964	0,0964
UV	0,5	1	1455	0,1455
UV	0,5	1	1391	0,1391
UV	0,5	1	1239	0,1239
UV	0,5	1	1267	0,1267
non UV	0	1	1299	0,1299
non UV	0	1	1299	0,1299
non UV	0	1	1281	0,1281
non UV	0	1	1299	0,1299
non UV	0,01	1	845	0,0845
non UV	0,01	1	829	0,0829
non UV	0,01	1	828	0,0828
non UV	0,01	1	862	0,0862
non UV	0,05	1	941	0,0941
non UV	0,05	1	986	0,0986
non UV	0,05	1	975	0,0975
non UV	0,05	1	973	0,0973
non UV	0,1	1	1240	0,1240
non UV	0,1	1	1223	0,1223
non UV	0,1	1	1276	0,1276
non UV	0,1	1	1283	0,1283
non UV	0,5	1	1720	0,1720
non UV	0,5	1	1723	0,1723
non UV	0,5	1	1693	0,1693
non UV	0,5	1	1656	0,1656

2. Imunoflouresensi merge


Control
0.01%
0.05%
0.1%
0.5%
UV 30mJ/cm2
non UV